SHOUT
SHARE
IT

B/B/c 2/1

Vol. 10.

A. W. Stelfoxes diary
1938-1939.

2

WESTERN TRIP AUG. 1938.

30th July 1938. Left Dublin by car at 10.20 AM after nearly 24 hours rain & still drizzling SE–SW gale. After Mullingar little or no rain but everything wet & land & even main road in places under water.

Stopped for lunch (1 to 2.15 P.M.) on road at N. end of Castle Forbes demesne, L.F., & tried sweeping herbs &c. in scrub & took a few insects. Next stopped for petrol at Boyle & at Hollybrook Ho. on N. side of L. Arrow, for afternoon tea & found the weather &c. almost dry & swept for an hour 4 till 5 P.M. Then on to Tullaghan, where stayed at Miss Foster's as before.

1 till 2.15 P.M.

Scrub & plantation by road at N. end of Castle Forbes demesne, Co. L.F. [32 kept & then labelled C. Forbes, Co. LF, &c. 25.2.1940 AWS]

Bombus lucorum one old worn ♀ still flying.

2 sawflies := Selandria cinereipes 1♂

& Ametastegia equiseti: 1♀.

3

30.7.38, 1 to 2 P.M., Castle Forbes, LF. cont.

Hemiteles, 1♂, small ♀, =

Pezomachus [illegible]? 1♀.

Orthocentrus cf. protuberans? 1♂.

Exetastes pictus 1

Adelognathus dorsalis, 1♂, beautiful ♀.

Symplecis xanthostoma: 1♂ agrees well! AWS. 25/3/40.

Helictes 1♂

Plectiscus 2♀♀.

Bracon cf. marginis? 1♀: one ♀ taken at Fernalong on 30/7/33." AWS. 25/2/40.

Clinocentrus 1♂

Dacnusa areolaris ♂♂ & ♀♀ abundant (none kept.)

D. [illegible]? 1♀ freshly emerged, badly damaged, not kept

Exallonyx 1♀. [illegible] 1♂

Eriophid?, 2 brachypterous ♀, very nice, red & black colouring with very transverse antennal segments =

Proctos others: 3 =

Diptera =

Jumping beetle: =

4.

30.7.38 afternoon. Hollybrook, Co. SL. 4 till 5 P.M.

[20 only kept & then labelled "Hollybrook Co. SL. AWS. 30.7.38" A.W.S. 27.2.1940.]

Stenomacrus minutus 1♀.
[illegible] ? 1♀ =
Gen. et sp.? (Phaeticid?) 1♂, 30-seg. ant. (petiole [illegible])
Rhyssalus 1♂. Apanteles lateralis? 1♀
Blacus ruficornis 1♂, rather short ..?
Opius analis 1 fine ♀.
Aspilota 3♂♂, 1♀ := 4 sp. ♂ with 22 seg. ant. nearly twice as large as the
A. sp.? 2♂♂, 1♀ = of notes 29.9.1940 = near [illegible], 13, 24 & 21 seg. ant. resp., wider [illegible] head?
Dacnusa lateralis?? 1 large ♀, 40-seg. added ant.; petiole [illegible]!
D. ovalis 1♂, 33-seg. ant.
D. gibbipes 1♂, 26-seg. ant. only.
D. laevipectus 1♀, 23-seg. ant.
Toxares deltiger 1 nice ♂, 22 seg. ant.
Proctos: 3 =

[illegible] 1 =

5.

31st July 1938. A wet drizzle till almost noon, then a perfect day with wind veering from SW to NW, cooler, & a rising glass. After lunch went to gravel pit on "the bog road" S. of Tullaghan; & after afternoon tea along the coast for 1½ miles to south.

2.30 3-30 P.M.

Gravel-pit on "the bog road", S. of Tullaghan, Co. LE.
[Only 5 specimens kept!]

Bombus agrorum & lucorum seen, mostly ☿☿, but one worn ♀ of former still working.
Andrena [illegible] ♂♂ of 2nd brood seen.
A. denticulata 1 fresh ♀ taken & 1 seen with pollen.
Colletes succincta 1♀ taken.
Nomada fabriciana, both sexes seen.
Crabro varius, common!
Pompilus nigerrimus seen
Salius exaltatus 1♀ taken.

[illegible] 1♀ } [illegible]
Orgilus [illegible] 1♀ } 18.9.38 [illegible]

31.7.38 cont. Coast S. of Tullaghan, Co. LE.
Swept in fields on top of cliff about 1 mile S. of village.
[7 specimens kept: labelled 28/2/40 AWS]

Bombus lapidarius ♀♀ seen.
B. agrorum & lucorum frequent.
[B. jonellus, ♂ seen on C. palustris late on evening of 30/7/38].

Anteon 1♂

Bracon "epitriptus" 1♂, black legged form, with 32 seg. ant.
Apanteles fulvipes: 1♂, 1♀.

Proctos. 2 =

[illegible] yellow-marked. 1 =

1st August 1938. A perfect day, sunny, gentle NW breeze & much sun.
Spent morning at Bunduff strand & the afternoon at Streedagh, Co. SL, but the results disappointing. only 10 specimens kept & these labelled on 29/2/40 AWS

Bunduff, coast N of outlet of Bunduff lough. Co. SL. 11 am till 1 PM.
Bombus lucorum & agrorum ♀♀ frequent
B. lapidarius 1♀ seen.
B. jonellus 1♂ seen & examined.
Mellinus arvensis very abundant on open dunes near sea, where Coltsfoot grows.
Pompilus plumbeus ♂♂ & ♀♀ seen.
P. gibbus 1♀ examined.
Ceropales maculata 1 examined
Oxybelus uniglumis? 1♂ seen, probably the.
Bethylus cephalotes? 1 large ♀.
B. fuscicornis 2 small [illegible]
Aphelopus ? 1♂

PTO

8.

1.8.32 cont. Bundoff strand, SL, cont.

Bracon concolor Thom. 1♀.

B. fulvipes 1♂

Apanteles, milky wings, 1♂ =

Macrocentrus collaris 3♂♂, 1♀.

Aspilota (Synaldis) distracta ? 1♂.

Coelinius [illegible] 1♂

9.

1.8.32 aft. Strandagh, Co. SL.
All insects swept on estuary side of dunes & in fields near estuary & below road where car left. Collecting very disappointing.

[illegible] 1♂ [Only nine specimens kept & these labelled 29.8.40 A.W.S.]

[illegible] conjunctus & scutellaris winged ♀♀.
(not kept)

Hemiteles ?? 1♂ with large conical forceps & fuscous, 23-jointed, antennae; same as sp. taken at L. Outer, &c. =

Pimpla brevicornis prob. 1♂, black legs, a:

Homocidus [illegible] 1♂

Periope auscultator as usual in this locality! but this time only one ♂.

Adelognathus dorsalis ? 1♀.

R.T.O.

10.

1.8.38 aft. cont. Streedagh, SL., cont.

Bracon 1♂

Dacnusa maculipes ♂♂ & ♀♀, the commonest sp.
D. areolaris? [illegible] D. [illegible]? 1 small ♂.
D. [illegible] 1♀, 32. seg. ant.

11

2nd Aug. 1938. A very hot day, NE breeze, hazy, very humid.
In morning drove to Rossnowlagh, Co. WD. & spent an hour in dunes at N. end of strand; in afternoon went to Trawalua, Cliffoney, Co. SL. & spent about four hours along old track through the "jungle", as often before.

11.30 - 12.30 a.m.
Stream & marshy pools in dunes between "Lower Rossnowlagh" & sea, Co. WD.
[Only specimens kept those labelled 1/8/40 & earlier. AVS]

Opius [illegible] 1♀, see [illegible]
Dacnusa [illegible] 3♂♂, 1♀ [illegible]; commonest sp. out of pool & stream.
D. [illegible] 1♂, [illegible]

Ephedrus validus 2 small ♂♂.
Trioxys auctus 1♂

Photo. 1, male: =

~~2.8.38 Agri cut. [illegible] cont~~
~~[illegible] 1 ♀.~~

2.8.38 afternoon. 3.0 till 6.45 P.M.
S. edge of plantation (jungle), S. of Classic [illegible], South, Travalua, Clifferry, Co. SL.
1 = lane near road. 2 = far end of lane, sunk drain & c.
Bombus agrorum & lucorum only seen. [41 kept & then labelled 3/3/1940 ANS]
Vespa sp. seen, numerous ♀♂ at a Salix caprea
probably vulgaris, but possibly rufa; not examined.
"[illegible]" sp.: 1♀ in sunk drain at 2.
Andrena: 3 sp. ? [illegible]
[illegible] 1♀
Crabro [illegible] only, [illegible]. Pompilus nigerrimus 1♀
Tenthredo arcuata common.
"[illegible]" [illegible] ?? 1

2.8.38 cont. Travalua, SL., cont.
Phygadeuon trachypterus ♀, very small = of [illegible]?
Rhadinoceraea fuliginosa [illegible] 1♂.
Pimpla [illegible] 1♂; [illegible] Pimpla sp.
Bassus "[illegible]" several.
Promethes sulcator & [illegible]
[illegible] 1♂ kept.
Homocidus [illegible] 1♀.
Perilissus luteolus ? 1♂.
Oncophanes sp.? 1 large ♀, long 25 seg. ant., 2-4 seg. with a few [illegible]
Oncophanes [illegible] 4 or 5 ♂♀ only 2 kept
Hormius moniliatus (& 3♂) 1 kept
Chelonus ? not kept.
[illegible] [illegible] ? & sp. ? (neither kept)
Meteorus 1♀.

Seem same as ♀, with 26-seg. ant. from Powerscourt Gdn., W1, 25.5.32 = sp. n. longicornis mihi. A.N.S. 3/3/40!

2.8.38 cont. Trawsbwa[?], St., cont.

Blacus[?]

Opius truncatus 1♀ O. cingulatus 1♀

O. sp. like cingulatus but 3rd abd. seg., radius [illegible] further from base, 35 seg. ant. 1♀.

Coelinius[?] abnormis, 1 long ♀ at 1.

Alysia tipulae 1♀.

Phaenocarpa ruficeps 1♂, not kept.

P. conspurcator 1♀, not kept.

P. livida 1♂, not kept

Adelura[?] flavicornis[?] 1♂

Alloea contracta 1♀ not kept.

Aspilota alutacea[?] agrees[?] [illegible] AWS 4/3/40 4 or 5 ♀ with long [illegible] & [illegible] [illegible].

A. fulvipes[?] 1♀, & 1♂ [illegible] agrees well, 21 & 23 seg. ant. resp.

A. ruficornis? 1 small ♂ 18 seg. ant., [illegible] [illegible] short?

[A. compressa[?] 1 minute ♂ Nothing like the [illegible] [illegible] labelling! A.W.S. 3/3/1940] See ref. to "minute ♂" on opp. page, line 4.!!!

AWS 1941

2.8.38 cont. Trawsbwa[?], St., cont.

Aspilota nigricornis?? 1 minute ♂, with dark legs & 17 seg. ant.

A. sp.? 2 minute ♂♂, with diff. [illegible], with 22, 19 & 15 seg. ant.

the last one [illegible] than [illegible] long & cf. [illegible] [illegible].

Dacnusa longiradialis 1♂ only; not kept.

D. areolaris? } not seen 1940. A.W.S.

D. laevipectus?

D. ~~pubescens~~ 1♂.) D. lateralis 1 nice ♂

D. macrospila? } not seen [illegible] labelling 1940. A.W.S. } so not kept.

D. adducta

D. cyclops?

D. abdita[?] 1♂, 1♀ with [illegible] legs, 31 & 30 seg. ant. [illegible] [The ♀ [illegible] by [illegible] [illegible] [illegible] Feb. 1944! A.W.S. 6.3.1944]

D. senilis 1 nice ♀, 31 seg. ant.

D. [illegible] 1 small ♂, 29 seg. ant.

D. [illegible] [illegible], 25 seg. ant. 1♀.

D. [illegible] 1 nice ♂, 28 seg. ant.

D. [illegible] 1 ♂, 24 seg. ant

Prosa[?] [illegible] 1♀, 17 seg. ant.

Proctotr. 2: =

Diptera = Bolitophila cinerea L.? A.W.S. 4/3/1940.

Beetles: 2 jumpers: =

2.8.38 cont. – Trawalua, Sl., cont:

3rd August 1938 Another very hot day, nearly all sunny, but with fresh E. breeze.

Did not go out till after lunch, then went up the "bog road" to [illegible] & swept near the fields on same & opposite side of road; after afternoon tea swept the [illegible] old walled garden for half an hour, & finally at sunset swept E & W sides of front hay field till the dew fell about 9 PM.

3.8.38 cont.

Boggy fields on each side of road, 1½ mls SE of Tullaghan, Co. Lt. 3.0 – 4.0 P.M.

Bombus muscorum, 1 fresh ♀ seen.

Only 3 specimens kept, as follows –

Anteon 1 ♂.

[illegible] gilvipes, 1 [illegible] ♀.

Biotope: very [illegible], [illegible] [illegible], [illegible] [illegible] of, [illegible] bog.

18

3.8.38 cont. 5.30 – 6.0 P.M.
Walled garden at The Lodge, Tullaghan, Co. LE.
(all swept in NE corner & by rubbish heap)

Only nine specimens kept & these labelled 5/9/'40 245

[illegible] 1♂.

Alysia tipulae 1♂.

Adelura florimela 1♂.

Pentapleura fuliginosa ♂♂ [illegible], 1♀ at garden-rubbish heap

Dacnusa sp. 1♂ & 1♀, [illegible], 22-3 seg. ant.

[A white fly, Aleyrodidae sp. taken in "conservatory" over porch]
[In spider's web, in "The Lodge" 3/8/38. Toxares deltiger ♂.]

19.

3.8.38 cont. 9.15 – 9.45 P.M.
Hay-field (cut) in front of The Lodge, Tullaghan, Co. LE.
(swept along E & W (under trees) sides)

Insects very numerous but mostly very common things & few kept! [Only nine kept: these labelled 5/3/40, 245]

Bracon 1♂

Rhogas reticulator Nees, 1 beautiful ♂ with 49-seg. antennae. The first specimen I have taken!

Opius pallidipes ?? ♂.

Adelura florimela 1♀.

Phaenocarpa livida 2♂♂, stuck on one card.

Dacnusa longiradialis 1♂, with bisinuous radius!
D. 1♀, with 28-seg. antennae.

Proctotrupes gravidator Hal. 1♂.

20

4th August 1938. Another equally hot & similar day. Drove to Clifford & spent two hours in "jungle" at Travalura, Co. SL. 11AM to 1PM.

[Only 18 specimens left: two labelled 8/3/40 [illegible] A.H.S.]

Crabro styrius 1

Anteon 1♀

Athalia cordata? 1♀

(21)

4 8 38. Travalura, SL cont.

Polyblastus? 1♀ = P. holmgreni?

Homotropus [illegible] 1♀ (labelled 18/4/39 [illegible])
H. bizonarius 2♀♀.

H. pectoratorius 1♂.

Porizontid ♀ =

(22.

4.8.38 cont. [illegible], SL, cont.
Bracon concolor 2♀♀.
Oncophanes lanceolator 1♀
Tanycarpa ancilla 1♂

Aspilota fuscicornis; 1 small ♀, with 16-seg. ant. ♂ of
A. alua mihi 1♂, 19-seg. ant.: the ♂ of this is allied
to that of rufo-niger, as well as that of concolor type
A.W.S. 27.3.1940.
which turns out ♂ of [illegible] Hal. A.W.S. 1944!

Dacnusa [illegible] 1 small ♂, only 35-seg. ant.: not [illegible]

D. [illegible] 1♂, small, only 27-seg. ant. further
tests.
[illegible]

4/8/38. On window table in The Lodge, Tullaghan,
Co. LE, I took 1♀ Therocolax formiciformis!

[[illegible]]

5th August 1938. A similar very hot day
with E. breeze. In morning drove to
Drummeloy, on coast 2 miles N.W. of
Ballintra, Co. W.D., where swept edge
of road & boggy fields with Bog myrtle
& Salix aurita, & Glyceria (fluitans?) in
drain. 11.30 A.M. till 1.0 P.M.
In afternoon did half an hour sweeping
Mrs [illegible] garden & after supper
drove to head of [illegible] Lough.

Drummeloy, (Co. ED). 11:30 – 1:0 P.M.
[23 specimens kept: those labelled 10/3/40! A.W.S.]

Sweep.: Pachyneuron 1♂

Microleptes splendidulus 1♀.

[illegible] 1♂

Bracon variator 1♀, very dark [illegible].

B. fuscicoxis 1♀.

24

5.8.38 cont. Drumelvy, ED cont.

Chelonus inanitus ? 1♂.

Ascogaster elegans ? 1

Clinocentrus 1♂.

Opius n. sp. 1♂, 31-seg. ant., same as specimen taken on 26.8.1933 AWS,

O. [illegible] ♂? antennae broken

Alysia sophia var. ? 1♂, 2♀♀, with 37, 33 & 34-seg. ant. respectively, abdomen not ? black, but otherwise [illegible] = umbrata with! of the specimen AWS [illegible]

Dacnusa cytherea ? 2 large ♂♂, with 31 & 33 seg. ant.

D. senilis ? 4♂♂, with 28-29-seg. ant.

D. rubella ? 1♂, 1♀

Chaenon anceps 1♀.

Toxares deltiger 1 small ♂.

25

5.8.38 cont. Drumelvy, ED cont.

5.8.38 aft. Old garden, The Lodge, Tullaghan, Co. LE.
6.0 till 6.30 P.M. All swept under trees or along N & E walls (none from rabbit-trap!)
only ~~a few~~ three kept.

Phaenocarpa picinervis ♂♂ common P. conspurcator 1♂

Pentapleura angustula & pumilio ♂♂ & ♀

Tanycarpa rufinotata 1♂

Aspilota spp. numerous, only kept 1 —
= A. (Synaldis) [illegible] ? 1 small ♂

Dacnusa areolaris ? 1♀, 21 seg. ant., very small.

D. discolor 1 v. ♀.

5.8.38 aftn. cont. The Lodge (garden), Tullaghan, LE cont.

[illegible] 1♀, not old, [illegible], [illegible],

=

[illegible] of [illegible] taken in [illegible]

5.8.38 9 P.M. Just before rain!
Road & lake shore at outlet of
Glenade Lough, Co. LE.

Practically no hymenoptera caught at all.
Dacnusa areolaris 2♀♀
Aphidius 2 specimens
Opius [illegible] 1♀
} None kept.

7th Aug. 1938. Taken at rubbish-heap in old garden at The Lodge Tullaghan, Co. LE. (before lunch!)
Pentapleura fuliginosa 2♂♂, 1♀.
Stenomacrus ochripes? 1♀.

6th August 1938. After some rain at night another fine day, but not drying.
Did not collect; but in late afternoon drove with Mrs & Miss [illegible] of Doncaster, who had arrived at midday, along southern shore of L. Melvin, Co. LE. At head of Lough took one "[illegible]" & examined one Crabro tibialis.

7th August 1938. After a misty morning, a very fine & hot afternoon, with westerly (not E) breeze dying away in late evening.
Drove to Tranalua, Co. SL, at 3 o PM. Swept in marsh till 5.30; along track & in marsh drain, &c. [about 23 kept & then labelled 13/3/40 or before. AWS]

Crabro styrius 1♂.

Pemphredon lutescens? 1♀

7. 8. 38 cont. Trawden, Sk, cont.

Macrocentrus marginator nee? 1♂, with [illegible]
[illegible], 45 seg. ant.

Opius truncatus 1♀.

O. spretus? 1♀, with 30-seg. ant.

O. cingulatus 1♂, 1♀, large & with dark [illegible].

Phaenocarpa ruficeps 1♂.

Ph. tabida 1♀

7. 8. 38 cont. Trawden, Sk, cont.

Aspilota [illegible] 1♀ – [illegible] on near [illegible]

A. [illegible], [illegible]. 2♂♂, 1♀, with 18, 20 & 18-seg. ant. resp.

A. [illegible]?? 1 small ♂, 21-seg. ant.
Dacnusa [illegible] [illegible]
D. [illegible], [illegible], 1♀ [illegible]
[illegible] ; see also [illegible], 9.8.38 →

D. affinis 1♂, 1♀, with 25 & 23 seg. ant. resp.

Coelinius (? [illegible]) 1♂, 35-seg ant.

Ephedrus lacertosus 1♀

Trioxys heraclei? 1♀

Wind strong from N & E!
[illegible]

8th August 1938. Dull & drizzling all day after we left Tullaghan. Drove via Sligo to Dooney Rock & then round L. Gill, via Dromahair & Slish Wood. Collecting practically impossible, but did a little at Dooney Rock, Co. Sl., & took 1 ♀ Stenichneumon [illegible] on wall at Slish, Co. LE.

Dooney Rock, shore of L. Gill, Co. Sl. 12.30 – 1.20 p.m.
[Only seven kept & these labelled 14/3/1940! AWS.]
Bombus agrorum & lucorum seen
Crabro varius several seen
C. tibialis 1 ♀ C. chrysostomus 1 ♀
Pezomachus 1 ♀.
Alomyia debellator [illegible]
Stenichneumon [illegible] 1 ♀
Barichneumon "[illegible]" 1 not kept
Tryphon elongator 1 not kept
Campoplegid ♀ : = "cf Angitia sp. with dark, short tarsi, but – [illegible]" AWS. 15/3/1940.
Mesoleptus [illegible] ? 1 ♂
Aphidius 1 ♂.

9th August 1938. Wind having gone E again this was a perfect day, hot day, mainly sunny, with some cloud in afternoon.
Spent morning at [illegible], Bundoran, with Mrs [illegible] & A. A very [illegible] small pool, on edge of cliff in field, ¼ mile from Bundoran, in Co. ED.
Here took about a dozen specimens, but none kept except :-

[illegible] suspiciosus ♂

9.8.38 afternoon. 3.30 till 6.30 P.M.
Drove to Streedagh, Co. Sl., & collected for about 2½ hours.
1 = edge of dune, & salt & fresh[illegible] [illegible] along estuary E of dune at Streedagh Point.
2 = edge of field NE of dune, along estuary.
3 = fields E of No. 1 & N. of road to point.

9. 8. 38 aft. cont. Streedagh, Sl., cont

[Only kept 5 from 1, 3 (+5 beetles) from 2,
& 5 from station 3: then labelled 14/3/40 A.W.S.]

Anteon 1♀ at 3.

Cryptini 1 red ♂ at 3 ! =

Campoplex sp. 1♀ at 1

Campoplegini (no areolet) 1♀ at 1
: = Nythobia pusio Holmgr.? dark antennae, var.

9. 8. 38, Streedagh, Sl., cont.

Acoelius subfasciatus 1♀ at 2.

Alysia atra 1♂ at 2

Aspilota nana rufa? 1♀ at 1, v. small, 1.5 mm. ext.

Dacnusa

P. T. O. →

G. 8. 38 aft.-cont. – Streedagh, Sl., cont.

Dacnusa nigra pygmaea? 1♀, [illegible] taken at [illegible] on 7.8.38. [Then labelled 14.38?]

D. affinis? 1♂ at 1, 24 seg. ant.
[illegible] legs, like that of ♀, [illegible] radial cell [illegible]

D. of areolaris 1♀ at 3, [illegible], 21 seg. ant.
otherwise like areolaris

D. sp. {? very small specimen of cubitalis? or politiventris? } 1♂, 26 seg. ant. at 3

D. sp. } 1(♂?), 26 seg. ant. at 3.

Cephalia? [illegible] 1 [illegible] ♀ at 1

Proct. 1 at 2 (Hypostygma? [illegible])

Coleoptera 5 at 2.

9th August 1938. A very hot day, humid, with intense sun at times, wind E in morning, W. & cooler in afternoon & evening, but no rain [illegible].

Drove via Sligo to Strandhill, then round base of Knocknarea to shore of Ballysadare Bay (where had lunch), to Knocknarea Glen & up old road (where stopped for aft. tea) to Carrowmore & so home via Sligo.

Shore of Ballysadare Bay, N. of Cullenamore House: dunes, & plantation by road, Co. Sl.
1.0 till 2.30 P.M. [46 kept & those labelled 16/3/40!]
Campiloneura? gilleti ♂ & ♀ examined
Dyspetes praerogator 1♀, 2♂♂ in plantation
Hemiteles [illegible]? 1♂?
H. sp. 1♂, black, [illegible], 30 seg. ant.
Atractodes 2
Idiolispa analis 1♀.
Lissonota errabunda 1♀.
Homocidus [illegible] 1(♀?)
Stenomacrus intermedius? 1♂, 30 seg. ant.
Polyblastus [illegible]? 1♀

10.8.38 cont. Ballysadare Bay, SL, cont.

Bracon erythrostictus 2♂♂, Perilitus [illegible] 1♂

Perilitus ?same sp. as last & 1♀ Macrocentrus collaris 1♀

Opius caesus common: 3 kept. O. [illegible] ? ,

Pentapleura angustula 2♀♀. P. pumilio 1♀

{Aspilota ?ruficornis 1♀ 23 seg. ant. A. [illegible]? 1♂ 17 seg. ant.

A. ?ruficornis 1♀, with 20-seg. ant.

Dacnusa ?areolaris ? 2 small ♀♀, 23 seg. ant.

Coelinius niger 1♂, 1♀ kept [illegible]

Ephedrus plagiator 1♀ E. [illegible] 1♀.

Aphidiinae 3 : =

Praon volucre ? 1♂, 24 seg., with long antennae.

Praon abjectum 1♀, 18 seg. ant.

Proctos: 7 =

Cynipid. 1 : =

Chalcid. 1 [illegible] : =

Diptera: 2, yellow & black stripes: = Chlorops taeniopus Mg. ♂ } Meromyza pratorum Mg. } AWS 23/7/1940.

[Taken in house, The Lodge, Tullaghan, Co. LE. 10/8/38. AWS
Hemiteles cingulator ♂ 1♀.]

10.8.38 cont.

Knocknarea Glen, Co. SL. 3.0 till 4.0 P.M.

1. taken actually in the glen

2. by path from road to entrance to glen

[Only 2 kept, then labelled "Knocknarea Glen, Sligo, [illegible] Co. SL. AWS 10.8.1938" 19/3/1940. AWS.]

Schizoloma capitata 1♀ at 2.

Schizopyga circulator 1 beautiful ♀ in the glen (i.e. at 1); so far as I know only the 2nd Irish specimen of the handsome species, the 1st being in coll. late Rev. W. F. Johnson, in Nat. Mus., Dublin.

Phaeogenes 1♂.

Prometheus cognatus 1♀. Homocidus cinctus, 1♂

Mesoleius [illegible] 1♀.

Procto. 1 =   Scelio 1 =

10.8.38 cont. [Only 3 kept & then labelled "S. of Knocknarea"]

Knocknarea, old road along S. slope, near Grange Ho.,

Swept under trees at ruins of cottage. Co. SL. 5 P.M.

Schizopyga podagrica ? 1♀ [illegible]

Vespa vulgaris [illegible] Bombus [illegible]

Mesoleius 1♀.

Mesochorus 1♀.

11th August 1938. A fine day, mainly dull, W wind, with drizzle in late evening, cool.

Spent morning on dunes at Tullan strand, Bundoran, Co. Don.

In afternoon went to Glenade & spent 3 hours along cliffs at Peakadaw on N side of glen. Here saw a fine show of alpine & [illegible] plants, very abundant, young & old, [illegible], [illegible], Sax. hypnoides, oppositifolia & hypnoides (many), [illegible] [illegible] Dryas octopetala (many), Salix [illegible] & S. [illegible] (& few), [illegible] [illegible] (& few), [illegible] [illegible], Rosa spinosissima, [illegible], [illegible] [illegible], & in one place Plantago maritima in great abundance, as well as many other plants.

(3) [illegible] of 8 pm.

11.8.38, cont. Sweeping at Tullan strand, Co. Don.
(along stream, &c)
11.30 am – 1.0 pm

[25 specimens kept & those labelled 21.3.1940 A.W.S.]

Stenodontus marginellus ? 1 (♀?)
Atractodes 1
Lissonota errabunda ? 1 ♂.
Bassus annulatus 1 ♂, with spines of [illegible] [illegible] [illegible]
Homotropus pulcher 1 each ♂.
Bracon cf variator ? 1 ♂.
Apanteles [illegible] [illegible] 2 ♀♀
Opius caesus 2 ♀♀ (mtd on same card).
Pentapleura pumilio 1 ♀
Aspilota ruficornis ? 1 ♀, 17 seg ant.
Dacnusa [illegible] 1 [illegible] ♀. [illegible] 1 ♂.
Ametria [illegible] ? 1 ♀
Chaenusa conjungens 1 ♂, 1 ♀ (mtd. on same card).
Coelinius [illegible] 1 ♂, 25 seg. ant.
Aphidiini 1 ♂, 20 seg ant.
Proctos. 2 =

Chalcids 2 =

Homopterid 1 = Macropsis [illegible] F.
A.W.S. 23/3/1940.

11.8.38 aft. Glenade, Co. LE

A few insects swept on way up to cliffs at Peakadaw from road at 500-700 ft. & one Platylabus pallidens 2♂ taken at foot of cliffs at about 1000, but insects not really looked for.

[Only 12 insects kept & these labelled 22/3/1940. A.W.S.]

Bombus agrorum & lucorum seen

Platylabus pallidens ? 1♂ at about 1000 ft.

Hemiteles pulchellus? 1♀ very like a Stenomacrus in venation

Phygadeuon 1♀.

Stenomacrus [illegible] 1♀.

o [[illegible] [illegible] [illegible]]

[Orunga [illegible]?] [illegible] [illegible] [illegible], 1♂ 1♀.

[illegible] in [illegible] in ♀ & 1♂ [illegible] [illegible] ♂.

Apanteles sp. ? 1♀

Pentaplema [illegible] 1♂

[illegible] [illegible] 1♂, [illegible] [illegible]

Ephedrus validus 2 ♀♀.

11/8/38. "Tyrricks" found in boxed tube without label as ? taken on this (Tullaghan) trip or ? in tube since, & only collected about Dublin. Labelled "? Dublin or Tullaghan." ANS 22/3/40.
Cryptilota [illegible] ?? 1♀. Plectiscid: = [illegible] group?
[illegible], [illegible], [illegible]

12th August 1938. After a doubtful morning & a shower, a very nice day, but cooler & wind variable, mainly NW., with showers about in late afternoon.

Spent 2 hours in "jungle" at Trawalua, Co. SL., & in afternoon drove to Lough [illegible] Castle, Co. WD. (i.e. on W side of outlet of L. [illegible]).

11.30 am till 1.30 pm.

Trawalua, Co. SL.,

All swept on S. side of track through jungle.

[Only 39 kept: mostly Cryptinae (s.l.) & these labelled "25/4/1940." A.W.S.]

Spilomena troglodytes 1♀, close to where [illegible] swept this in 1933.

Pezomachus 1♀

Microcryptus ?? 1♂, red abd. =

Mesoleius [illegible] ? 1♀

42

12.8.38 cont. — Travolina, SL, cont.

Microctonus small, black, ♂ =

Opius cf. instabilis? 1 ♀, 28-seg. ant.

Orthostigma cursicaudata? 1 very small ♂, with only 15 seg. ant.
O. brevicornis? 2 ♀♀, with 19 & 20-seg. ant. resp.
Aspilota fulvicornis? 1 ♂, 22-seg. ant., similar in ratio to that from Glenveagh, W.I. 29.9.37 & agrees with ♀ taken in same place (Travolina!) on 7.8.38.
A. rufo-niger 1 huge ♂, with 26-seg. ant., otherwise quite typical
A. ultra-minuta 1 very fine ♂, 27-seg. ant., agrees exactly with type from Torvey Glen, D., has best 2nd ant. seg. & medium-sized spiracle, intermediate between these A. procerrima & A. grandipennis. A.W.S. 26/3/40.
A. alata 1 nice ♂, with 20-seg. ant.
A. sylvatica? 1 ♀, 22-seg. ant.
A. ruricolaria? 1 ♂, with 17-seg. ant
A. viatica sp.n. 1 ♂, 23-seg. ant. & 1 ♀ (Type!) with 21 seg. ant, which won't fit grandipennis, sylvatica, ruricolaria, ..., or any of my species. A.W.S. 27.3.1940.
A. vulgaris? 1 ♂, 23-seg. ant. & 4 ♀♀ with 18(1) & 19(3) seg. ant best fit this species. A.W.S. 27.3.40.
A. rufipes? 1 ♀, with 17 seg. ant.

43

12.8.38 cont. Travolina, SL, cont.
Aspilota: 2 unplaceable males:-
A 1, red petiole, very small, 21-seg. ant., much longer than body (?), small wings, simply won't fit ruficeps, or rufipes, or fuscicornis.

B 1, like a robust ruricolaria, 19-seg. ant., about as long as body

Dacnusa adducta 1 ♂ on card.
D. pastinacae 1 ♂ & 2 ♀♀, entirely black, all on one card.
D. [illegible] 1 ♀
D. affinis 1 ♂, 24 seg. ant
Trioxys [illegible] 2 nice ♀♀, all on same card

Aphidius [illegible]? 1 ♀.
Proctotrupes 5 =

Chalcid 1 very small =

44

12.8.38 afternoon 4.30 till 6.0 P.M.

Lough Eske Castle, Co. W.D.

Mainly swept along 'inland' side of road running from NW corner of castle demesne along W side of Lough Eske for a mile; a very few on shore of Lough or in plantation at NW. corner of demesne [53 killed & those labelled 29/12/1940 A.W.S.]

Cratichneumon approximator? 1♂. Pezomachus 1♀
Stilpnus 1♂. Acrodactyla degener 2♀♀.
Orthostigma marginator? 1♂. Stenomacrus cephalotes? 2♂♂
Stenomacrus exserens or Picrostigeus setiger? } 1♀. Homocidus dimidiatus 1♂
Aperileptus 1♀ small, 18 seg. ant.
Plectiscus? 1♂ 22 seg. ant.
[illegible] 1♂ small [illegible] 20 seg. ant, [illegible].

Bracon 1♂. Heterogamus dispar 2♂♂.
Rhogas 3♂♂, with 45, 40 & 39 seg. ant respectively
= R. nigricornis, ant 45, largest. R. of
& R. of Apanteles umbellatarum? 1♀
Opius flaviceps n. sp. 1♀, yellow head, disk striate 2nd abd. segment, 30-seg. antennae, &c, pale anal segment. {AWS 30.3.40.
Trachyusa aurora 1 fine ♂. Pentapleura pumilio, very small ♀
{ Phaenocarpa conspurcator 1 tiny ♀, with only 25 seg. ant.
{ Ph. conspurcator 1♂, just twice the bulk of the ♀.

45

12.8.38, aft. cont. Lough Eske, W.D.; cont.

Aspilota 20♂♂ 17♀♀, as follows: — Aspilota sp. nitens 10♂ 1♀, both with 23 seg. antennae, rather large.
A. sp. (of nervosa) 1 small ♂, 19-seg. ant. A. sp. (of [illegible]) 1 small ♂ 21-seg ant.
A. (Synaldis) gracilipes, 1 small ♀, 21-seg. ant.
Dacnusa sp.? 6♂♂, 1♀, which look like small form of areolaris, but which have not orange-testaceous legs, 22-24 seg. ant., & hind tibiae slightly darkened apically.

Dacnusa lateralis 1 fine ♀
Dacnusa [illegible] 1 fine ♂ (labelled Oct 1958 A.W.S.)
Dacnusa [illegible] 1 very nice ♂, with 29 seg. ant

Procto. 15: =

Chalcid. 1 =
Mymarid 1, large: =

13th August 1938. Left Tullaghan at 11.10 a.m. for Dublin; stopped for lunch & collecting on W. side of Lough Key, Co. RO., 1.0 till 2.0 P.M., but did not collect otherwise on journey to Dublin: passed through an extensive cold front with drizzle to heavy rain between Edgeworthstown & Kinnegad, otherwise warm & mainly sunny for the greater part of the journey. Wind NW at Tullaghan & apparently on this cold front reached, then NE, with scarcely any about Enfield & Maynooth; NE–E from that into Dublin.

[39 specimens kept & these labelled 2/9/1938. A.W.S.]

Fields between road & lake, as well as lake shore, Lough Key, west side, Co. RO., about 1 mile S. of Carrigeenroe, on way to Boyle.

[illegible] [illegible]?? , very green when alive, 1♀ (only gathered by E.W.S.)
on alder seedling by lake shore.

Bombus lucorum & agrorum only seen.

Homotylus [illegible]? smaller H. [illegible] 1♂.

Lissonota variabilis? ♀, rather large.

Zootrephes [illegible] 1♀.

Ichneumon. 1 (♂?)

13.8.38 cont. L. Key, RO., cont.

Pimpla [illegible]? 1♀. Perilissus luteus? 1♀.

Meteorus 1♂

Bracon fulvipes? 2♂♂, rather small

Opius (of [illegible]?) 1♂, 23 seg. ant. O. [illegible] 2♀♀.

Alloea contracta 2 fully winged ♀♀. Pentapleura pumilio 1♀ very small

Phaenocarpa conspurcator 1♀. Ph. picinervis 1♀.

Dacnusa areolaris 1♀ 20-seg. ant.

D. affinis 2♂♂, 16 seg. ant.

D. [illegible] 1♂, 27 seg. ant.

D. [illegible] 1♂, 31 seg. ant.

Chaenusa conjungens 1♀.

Coelinius ? of Sligo? 1♂, 36 seg. ant.

Aphidius 1♂ 21 seg. ant. Monoctonus caricis?? ♂, 16 seg. ant.

Ephedrus plagiator 1♂. Eph. validus 2♀♀.

Proctos. 8 specimens: –

END OF WESTERN TRIP: 1938.

18th Aug. 1938. A poor day, very windy (SW) with intermittent drizzle & heavy rain in evening. After tea drove to Poulaphuca, Co. Wi., where George has a "holiday job" with the engineering firm "Francois Cementation Ltd." who are building the dam & power house for the new Dublin water & electricity scheme there. Left home at 6.20 & arrived Poulaphuca at 7.5; as it had cleared drove on to Hollywood Glen, Co. Wi., but just after we arrived there heavy rain set in. Collected, in two sweeps under hazel bushes the following :—.

Hollywood Glen, Co. Wi., 8 P.M.

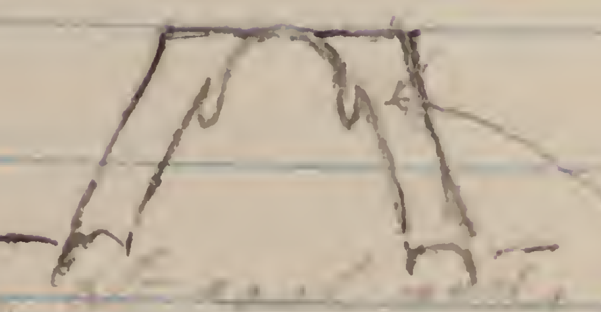
[illegible] 1

[illegible] bifurcata sp. nov.) 5th Oct. 1940 J.J. [illegible]

[illegible] 1♀

Platypezid 1

[illegible] 1 ; =



(? sex, a most strange insect with mesonotum at each side bordered by a horizontal ridge formed by the upper edges of the pronotum & separated from these ridges by a deep groove; near the front margin of [illegible] are two deep pits separating the [illegible] shoulders almost square. A.W.S. 4.4.1940.)

21st Aug. 1938. A very pleasant day except for shower in afternoon, SW wind, much sun & insects plentiful, especially mosquitoes, which occurred in dozens & were so hungry & vicious & prevented all attempts to collect seriously in the marsh.

Drove to Killoughter, on The Murrough, Co. Wi. there arrived 11.30 AM & left at 5 P.M., though heavy shower at 2.30 ended serious collecting.

Driven out of the marsh by the road, tried North along railway for a mile, making raids into the marsh here & there, but most insects taken along railway or in fields between same & marsh. After shower at 2.30 walked to upper end of the Broad Lough, which flows out at Wicklow town & in brackish & salt with sucker amongst drift containing some decaying sea-weed (Fucus) & made [illegible] the insects taken here listed separately at the end.

See Swift

Saw one solitary Swift repeatedly hawking over marsh with dozens of Swallows, House Martins & Sand Martins.

21.8.38 cont. Killoughter, Co. Wl.

11.30 A.M. – 2.30 P.M. Collected by sweeping near the old station & for a mile N. along railway & in fields & marsh adjoining same inland.

[About 70 specimens kept & these labelled 8/4/1940! ANS.]

Bombus terrestris 1 fine fresh ♂ taken.

B. lucorum
B. lapidarius } ♂♂ & ☿☿ & 1♀ (fresh) of former

B. agrorum many ☿☿ seen: one on flowers of Solanum Dulcamara in drain.

B. muscorum several ☿☿ seen.

Psithyrus sp. (probably distinctus) seen.

Halictus calceatus & albipes ♂♂ swept.

H. villosulus 1♂ swept.

Crabro chrysostomus 1♂ by roadside, on Angelica

Vespa rufa frequent on Angelica

V. germanica 1♀ taken on Angelica & others seen by road (& probably vulgaris also!)

Ichneumon gracilicornis 1♀. ✓ 1♀

Ichneumonid 1♂. Gen. et sp.? nr. Ischnus.

Hemiteles sp. 2♀♀.

Phygadeuon 1♀

21.8.38 cont. Killoughter, Wl., cont.

Phygadeuon 1♀.

Leptocryptus 2♀♀.

Pezomachus [illegible]? 1♀.

Exolytus 1♂.

Pimpla brevicornis ♀♀ & ♂♂ frequent; also some very small ♀♀, such as we used to call "punctiventris"

Saligopyga cf. minuta Grav. ♂, fits Grav.'s description of ♀ well!

Glypta cf. bifoveolata? (or nigrina?) 1♂, [illegible]

Polyblastus 1♂

Gen. et sp.? nr. Catoglyptus [illegible] 28at ♀♀
= Sychnoleter geniculosus ♂♂.

21.8.38 cont. Killoughter, Wi., cont.

Zootrophus "infirmator" 1 (not kept).

Promethes [illegible] 1♀

Stenomacrus cf. [illegible] 2♂♂, 22-seg. ant., [illegible]

Sagaritis 1♀.

[illegible] 1♂.

Canidia 1♀.

Thersilochus ?? 1♂ 2♀♀.

1 Bracon anthracinus ? {6 minute ♂♂ (2 ..) with 15-seg ant. & 6 larger / & 6 smaller ♀♀ with resp. 17 & 20 seg ant.}

B. "communis" [illegible] ; very common along railing ; none kept.

B. variator 1♀

B. [illegible] 2 small ♀♀, with 24 & 25-seg. antennae, [illegible]

B. obscurator 1♀, 19-seg ant.

B. sp. " 1♀, 31-seg ant., narrow, testaceous, [illegible] with [illegible] slightly micro-sculpture.

21.8.38 cont. Killoughter, Wi., cont.

Chelonus [illegible] ♂♂ & ♀♀ frequent along railing;

Sigalphus caudatus ♂♂ & ♀♀ very common: 20♂♂ supposedly this sp. only kept.

Rhogas sp. "[illegible]" A. 6♂♂ & ♀ of this beautiful species swept from or alongside drain parallel to railway & about ½ mile N. of station. Further sweeping failed to produce more.

[In Nat. Mus. Dublin coll. I found the broken remains of a specimen of this species which I remounted (on card) 21.3.1940: it has 45-seg. ant. & may be a ♂ but the abdomen is missing: the label reads "Bog o' the Ring [Co. DU]. Sept. '02" in J. N. Halbert's writing, & it was no doubt taken by him.
A.W.S. 21.3.1940.]

Apanteles spp. frequent; especially A. [illegible]

A. gagates 1 beautiful ♀ (Nixon agrees!).

A. cf. [illegible] 1♂, very very small!

A. infimus ? 1♀.

Orgilus obscurator 1♂.

Macrocentrus infirmus 2♂♂.

[No Euphorid, no Blacid, no Opiid, no ~~[illegible]~~ — 3 Aspilota — & only 4 Dacnusids!]

Dacnusa [illegible] 3♂ 2♀♀

D. leptogaster 1♀

Coelinius [illegible] ?? 1♂

very small ♂ with 20 seg ant., long [illegible], either [illegible] or [illegible] I think! A.W.S. 12/9/40.

Aspilota 3♂♂, with 19, 21 & 22-seg ant. resp., the first two with [illegible] ant. [illegible] legs & third palpi [illegible] testaceous, [illegible] all very [illegible] [illegible] 3♂; all sp. ? AWS. 2/9/40.

21.8.38 cont. Killoughter, Wi. cont.

Aphididae of sp. not known 1♂, 1♀ ; very near [illegible] but possibly distinct

Proctos: 7 =

Chalcid 1.

Diptera: red, wingless, 2 taken by drawing along road, one left, one sent to B.M.

Anthrax 2 on Wild Carrot by railway

21.8.38 afternoon. 3-0 till 4.0 P.M.

Shore of the Broad Lough, 1 mile S. of Killoughter, Co. Wi.

All taken with sucker off drift or on shore of lake. Drift mainly composed of reeds with some sea-weed (Fucus spp.) intermixed.

Hemiteles or (Pygadenon)} ? spp. At least 2, possibly 3 species! 6♂♂, 1♀. common: running about on drift.

Spinolia? sp.? 1♀, short wings, on shingle just at edge of water, 2 yards below "drift". Clung on to stone very hard! Cf. Hemiteles [illegible] [illegible] but does not fit well.

Aphaereta cephalotes ♂♂ & ♀♀ on & in drift.

Shells.

56

25th August 1938. A very nice day, no wind but slight W. breeze, warm & with considerable sun in Dublin, though less in the hills. In afternoon drove to Athdown, i.e. Kippure Lodge, & swept for 2 hours between road & R. Liffey & W. of Kippure Lodge. Later went on to Poulaphuca & picked up George & went to Hollywood Glen then home.

Search marsh &c. W. of Kippure Lodge, Athdown, Co. Wi. 3.30 - 5.30 PM.
[6 specimens kept & these labelled 19/4/40 A.W.S.]
Most insects swept under trees along course of tributary stream ~~along~~ Kippure Lodge boundary, but some taken in [illegible] & some along edges of swamps by R. Liffey. Insects very scarce in open, but abundant under trees, especially Diptera.

Bombus agrorum & lucorum seen, rare.
Leptothorax acervorum 1♀ swept.
Many winged Myrmica swept, [illegible]
Formica fusca winged ♀ seen, many, ♀♀

57

25.8.38 cont. Kippure Lodge, Athdown, Wi. cont.
Athalia & one black sawfly seen: not kept or examined
Pezomachus zonatus Först. AWS 1946 1, wingless ♀. P. [illegible] 1♀, [illegible], small
Cryptidae? - 1 large red ♂, 41-seg. ant. =
1♀ similar but ♂?, 29-seg. ant. =
1 small ♂, 22-seg. ant. =
Hemiteles gracilicornis? 2♀♀. H. 2♀♀.
H. of rough Ht., plain ovipositor key. 2♀♀ =
Atractodes 1
Homocidus tricolor?, a magnificent ♀, with all black pleurae, var. [illegible]
or H. dimidiatus or H. [illegible] ??
Polyblastus 1♂. Glyptocentrus 1♀.
Orthocentrus asper? 1♂. Stenomacrus ?1♀ = S. laricis?
Stenomacrus merula? 1♂.
Campopleginid ♀ := Sagaritis 1♀.
Thersilochus? 1♀, large. Gen. et sp.? 1♀, red, [illegible] 21-seg.
Aperileptus 1♀. Plectiscus 1♀
Colastes braconius, 1♂ ([illegible])
Chelonus decorus 1♀ Meteorus filator 3♂♂
Blacus trivialis?? [illegible] ♀ B. trivialis? 1 small ♀.
Opius caesus 1♂, 1♀. Aphaereta 1 very small ♀
Adelura dictynna 1 fine ♂. Phaenocarpa tabida 1♀.
Orthostigma melanostigma Th.? 1 very fine ♂, 20-seg. ant.

25. 8. 38 cont. Kippure Lodge, [illegible], [illegible] cont.

Orthostigma maculipes. 1♂, 19 seg. ant., thus rather stout.

Aspilota rufo-niger. an immature ♀, 20 seg. ant.

A. rubripes? 1 small ♂, 18 seg. ant. A. "curticornis" = scipiella? 1♂, 1♀, 20 & 23 seg. ant.

A. cf. crassiformis 1♂ 26 seg. ant. A. sylvatica? 1♀ 21-22 seg. (cf. Stelfox on 1.9.38 ♂)

A. cf. [illegible] 1 large ♀, ? seg. ant. A. sp.? ♂ like last, with 23 seg. ant.

A. nufata? 1 small ♂ seg. ant. A. cf. fuscicornis 1♂, 1♀

A. (Synaldis) [illegible] 1♀, 15 seg. ant. A. (S.) concolor? 1 large ♂, 23 seg. ant.

Dacnusa sp.? like last but much larger, [illegible] ♂, 1♀, [illegible]

D. [illegible] [illegible], [illegible] [illegible], 20 seg. ant.

D. (Coelinius) [illegible] 1♂. D. melanocera 1♂. D. maculipes 1 dwarf ♂

Chaenusa conjungens 1♂. [illegible] 1♀.

[illegible]. 9. [illegible] [illegible] of Phaenocarpa [illegible].

Chalcids 2. = Mymarid & 1 [illegible] singleton

25.8.38. 7.30 – 8.30 P.M.

Hollywood Glen, Co. Wi.

Left car at 1st "outlet" & walked up E side of glen thro. new Forestry plantation, when the young conifers about a foot high were covered with Ichneumonidae, chiefly ♂♂ of Ichneumon sp. & Lissonota bellator (many ♂♂ & ♀♀). I believe these were attracted to the conifers by the presence of a Chermes (?) or other scale with which some of the young trees were covered.

Picked up a few things here & swept a little along stream & roadside later on when [illegible] from walk.

60

25. 8. 38 evening cont. Hollywood Glen, Wl.
cont.

Tricholabus strigatorius 1 (♂?)
Hoplismenus bipunctatorius (= perniciosus) 1♀.
Platylabus iridipennis? 1♀, var. with broken centre of abdomen.
Pezomachus 1♀ black & red
P. 1♀, small, black.

1 Blacus ruficornis rather dark ♀.
Diospilus capito 1♀.

Meteorus fragilis 1♂.

Phaenoserphus 1♀.

Nomada obtusifrons 1♀ on scabious.

Andrena subopaca 1♀ (= 2nd brood).

61

28th Aug. 1938. A fine day, after heavy rain on Sat. aft. No rain, however, till 5.30 P.M. on The Murrough, then a terrific rain-storm after wind shifts from NW to ENE. During midday, sun was at times v. pleasant, but wet vegetation & cool NW–N. wind make collecting poor & insects very scarce compared with previous Sunday. As on 21st, drove to Killoughter (with A.M. Grogan) & collected along edge of marsh, inside railway, for 1 mile N. of road (= 1); then for an hour inside marsh where 1st "lane" comes down to coast through fields (= 2); in afternoon went to the Broad Lough, but very high tide almost prevented collecting & very few insects swept in salt-marsh just above water level.

11.30 A.M. till 3.30 P.M.

Edge of marsh inside railway, + outside marsh, for 1 mile N. of Killoughter = 1 & fields, &c, inside marsh = 2, 1 mile N. of Killoughter, also.

Co. Wl.

28. 8. 38 cont. [illegible] (1+2), C.W.I cont.

Ichneumon gracilicornis ♂ at 1.
Acanthocryptus quadrispinus 1♂ at 2
Leptocryptus [illegible] sp. 1♀ at 1, 1♂ at 2.
Brachypterus [illegible] 1♀ at 1, [illegible] !
=

Zootrephes suspiciosus? 1♀ at 2.
Homocidus signatus 1♀ at 2.
Polyblastus 1♂ at 2.
Stenomacrus 1♂ at 2.
Mesoleius sp. pale scutellum 1♂, at 2.

Mesochorus 2♀♀ at 1, 1♀ at 2.
=

Megastylus? 1 at 1
Helictes 1♂ at 2
Proclitus ? 2♀♀ at 2
Plectiscus ? 1♂, 2♀♀ at 2
=

Gonotypus melanostomus 1♀.

28 8 38 cont.

Bracon [illegible] 1♀ at 1.
Apanteles sp.? 1♂ at 2
Meteorus sp. [illegible]?? 1♂ at 2.
Macrocentrus infirmus 1♂ at 1.
Blacus ruficornis 1♂ at 2 (antennae broken).
B. small ♀ with [illegible], short & [illegible] wings, dark hind femora & 20-seg antennae, at 2
= ? a brachypterous form of [illegible]
B. humilis? 1♀ at 2.

Opius pactus? 1♀ at 1: no [illegible] but otherwise it agrees with Haliday's description.

Adelura flaviventris 1♂, only 2 [illegible] abd. seg. at 2

Aspilota radialis? 1♂ at 2, 30-seg ant.
A. sp.? 1♀ at 2, 18-seg. ant., [illegible]
A. vulgaris? 1♀, 18 seg ant.

28.8.38 cont. Killoughter (1+2), Wl cont.
Dacnusa melanocera v. gracilis 1♀ at 1.
D. dentata 1 at 2.
D. senilis 1♀ at 2, 33 seg. ant.
D. laetes 1♂ at 2

Ephedrus validus 1♂ at 2.

Praon 1♀ at 2

Proctos. 1 at 1, 6 at 2
=

Chalcids. 1 at 1, 1 at 2
= Hemiptarsenus fulvicollis? 1♀ at 2.

28.8.38 aft. E. shore of Broad Lough, Co. Wl., 4.0–5.0 pm

Only 4 insects left & these labelled 9/5/40.

Pachyneuron dispar? 1♂, 1♀.

Dacnusa cyclops 1♂

Trioxys auctus 1♀.

66.

1st Sept. 1938. A fine day after a glowing forenoon, but heavy showers about, though these missed Athdown. In afternoon drove, with Niels Bolwig of Copenhagen, to Athdown, via Kilbride Camp (i.e. Shankill). Stopped by plantation N. of Downy for a few minutes sweeping & again on heather just below Shankill, then on to Athdown (Kippure Lodge!). Later drove to Poulaphouca to pick up George; saw even new work there (dam & hydroelectric station!), then drove on S. to Carrigower bridge, where inspected the outcrop of igneous rock; then home via Blessington.

3.0 till 3.30 P.M.

Plantation (larch mainly) by road from Brittas to Shankill (Kilbride camp!) ½ mile S. of Talbotstown House, Co. Wi. Alt. 1,000 feet.

TALBOTSTN.
WI. A.W.S.
1 9 38

All swept under trees where dry enough grass only out in place.

Hemiteles 1♀ [Only 20 kept & then labelled 3/11/1940]

Lissonota errabunda 1♀.

[Glypta trochanterata see opp. page →]

~~Orthocentrus~~? Stenomacrus laricis 1♀

Mesochorus large ♀. M. small ♀

= =

67.

1.9.38, cont. Talbotstown, Wi., cont.

Euphorus minor? 1♀? Diospilus capito 1 small ♀.

Phaenocarpa tabida 1♂, red ♀. Orthostigma maculipes 2♀♀, one with head much wider than the other.

Aspilota ... 2♂♂, 26 seg. ant.

A. ruficeps 1 small & 1 larger ♂♂, with 17 & 18-seg. ant. resp.

A. vulgaris 1♀, 18 seg. ant.

A. vulgaris? 1♀, 19 seg. ant.

A. ... 1♀, red head, 15-seg. ant.

A. (Synaldis) concolor? 1♀, 16-seg. ant., rather pale ...

Ephedrus lacertosus 1♂.

Praon = " 1♀

4 P.M. Heathery slope by road, 1100 ft alt, 1 mile W. of Shankill (Kilbride camp!), Co. Wi. 1.9.38.

Bombus lucorum doubtfully seen here.

B. agrorum ♀♀ at thistle (C. palustris & lanceolatum!)

B. hortorum ♀♀ feeding numerous at thistle.

Glypta trochanterata 1♀ at flower heads of Ulex gallii — labelled with previous lot "Talbotstown"

68

1.9.38 cont. 4.30 – 5.30 P.M.

Kippure Lodge, Athdown, Co. Wi. 900-1000 ft. alt.

All swept along course of tributary stream (to R. Liffey) & with 200 yards of road & under trees: on both banks & stream from road to corner of open meadow. Insects very abundant here = 1 [All labelled simply "Athdown", all 8 from 2 labelled "Athdown (2)"]

only left [illegible] [illegible] labelled [illegible]

Swept N. of road & below Military Road from Blackhill, under oaks, etc., = 2 ; as above

Pezomachus, 1 ♂, wingless, at 1

? Pimpla [illegible]
Cryptus? sp. small red ♀, with 16-segmented antennae, at 1

=

Hemiteles?? small sp., with 19-seg. ant., rather like a Plectiscus
3 ♀♀ at 1 –

Phytodietus geniculatus?? 1 ♂ at 1.

Mesoleius, red abd. 1 ♂ at 1 =

Stenomacrus [illegible] ? 1 ♂ at 2.
St. sp. 1 ♂ at 1, with 33-seg. ant.

69

1.9.38 cont. Athdown, Co. Wi. cont.

Cryptinae?? 2 ♂♂ & 1 small ♀, at 1
= of 16-seg. [illegible] ??? (? Stenomacrus sp.)

Plectiscus 1 ♀ at 2, 21-seg. ant.
P. ?? 1 large ♀ at 1, with 20-seg. ant.
Bathythrix ?? 1 ♀ at 1, with 20-seg. ant.

Ephedrus 1 ♂ at 1, 19-seg. ant.

Pantisarthrus 1 ♂ at 1

Bracon obliterator 1 ♀ at 2.
[illegible] 1 ♀, 21 seg. ant. at 1. ? a small black [illegible]

Rhogas [illegible] 1 ♀ at 2

Euphorus similis 2 (♂♀) at 1, 16-seg. ant.

[illegible] 1 ♂ at 1

70.

1.9.38 cont. Kippure Lodge, Wl, cont.

O. [illegible] 1♀ at 1.
O. [illegible] 1♀ at 1.

Aphaereta tenuicornis 10♀ at 1.
Phaeogenes [illegible] 1♀ at 1.
Orthocentrus [illegible] at 1. 10♂ & ♀ at 1, all 2-3 mm [illegible]
Campoplex [illegible] ? [illegible] ♂, 2-3 mm [illegible] freshly [illegible]
& therefore [illegible] : at 1.
O. [illegible] (small for large [illegible]) 1♀ at 1: cf pair taken on 25/8/38.
19-20 mm [illegible]
O. [illegible] ♂ of [illegible] at 1, 22 mm [illegible].
A = [illegible] [illegible] 2♂♀ at 1,
[illegible] 22 mm [illegible], red [illegible]
Dremusa [illegible] 1♂ at 2, just emerged
D. [illegible] 1 pair ♂ at 2.
D. cyclops ♂ at 1
D. confusa ?? ♂? at 1. [illegible] ♂?, [illegible]
D. [illegible] at 1
Eleusa [illegible] 1♀ at 1.
[illegible] ♂ at 1 & ♀ at 2.

71.

4th Sept. 1938. A fine day, N breeze, [illegible] any sun, mild: insects abundant in wood.

Oak wood between Clara bridge & the Crony turn: left car at E/S of wood.

1 = Oakwood above road, where swept for half an hour before lunch 12 30 till 1·0 PM.

2 = wood between road & river. Swept mostly on wet slope above river flat just E of Ormonde [illegible] & thence on flat to mouth of Crony [illegible]

1.30 to 4.15 PM

Kept only 10 specimens from "1" & these so labelled & 56 from "2" but these merely labelled "Clara" A.W.S. 10/11/40.

Clara, Co. Wl.

Bombus lucorum a few only on heather by road
B. agrorum " " " "
B. jonellus [illegible] [illegible] corner " " "
Colletes succinctus 1♀ & ♂?) seen on heather " "
Vespa vulgaris ♀♀ seen

[illegible] [illegible] 2 ♂♂, one at 1 & one [illegible] below road on way to 2. the 2nd & 3rd [illegible] specimens. Both taken on oaks.

Athalia spp. seen frequently in [illegible] spots.

4. 9. 38 cont. Clara, Wi., cont.

Ichneumon [illegible] 1♂ at 2.

Ich. spp. some black & yellow ones seen.

Cratichneumon spp. some ♂♂ seen

Ephialtes [illegible]? Very large ♀, of the species: at 2.

[illegible] ♀, not [illegible], at 2 =.

Stilpnus [illegible]? 1♀ at 2.

Hemiteles? [illegible] 1♀, [illegible] at 1.

Pezomachus spp. at 2: 2 ff.

= ♂

♀

[illegible]? 1♀ at 2 =

Pimpla quadridentata 1♀ at 2.

P. [illegible]? ♂♂ ♀♀ at 1 & 2.

P. alternans & holthoffi 2♀♀ at 2.

Lissonota [illegible] ♀ at 2 ; [illegible]

Lampronota 1♂ at 2

[illegible]? 1♀ at 2.

[illegible] [illegible]? 1♀ at 2

[illegible]? 1♂ at 2, yellow face, [illegible]
[illegible] [illegible] 45 mg [illegible]

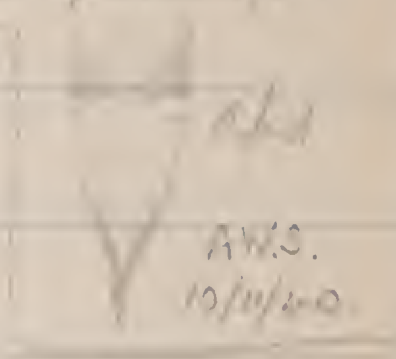
4 9 38 cont. Clara, Wi., cont.

[illegible] [illegible] [illegible] at 2; none seen at 2.

St. [illegible] 1♂ [illegible], [illegible] [illegible], ♂.

St. [illegible] sp. ♀ Type! [illegible]
[illegible]

St. [illegible] 1♀ at 2.


AWS.
10/11/40

Orthocentrus ♂♂ not kept.

[illegible] [illegible]? small ♀ at 2.

[illegible] [illegible] 2 at 2; not kept

[illegible] [illegible] 1 at 2; not kept.

[illegible] [illegible] 2 at 2.

[illegible] 9 at 2, 1 at 1 =

[illegible] ♂, 2♀♀ [illegible] 3♂♂

[illegible]

[illegible] [illegible] 1♂ at 2

[illegible] many [illegible]; none kept.

[illegible]? 2♀♀, black, [illegible], at 2.
(interesting, [illegible]!) [illegible] [illegible] 1940

Aptesis? 1♀ at 2 all seen of the genus.

[illegible] [illegible] 1♀ at 2 on each; [illegible]

[illegible] [illegible] 1♀ at 2.

[illegible] [illegible]

74.

4. 9. 38 cont. Clara, Wl., cont.

Gnamptodon pumilio 2 ♀♀ at 2

Opius [illegible] of [illegible] pallipes, many of [illegible] with date 17. 9. 1940 [illegible]

O. cf. [illegible] 1♀ at 2, with [illegible] [illegible] seg. ant., [illegible]

O. quercetic sp. n. 1♂, 1♀, at 2, both with 2[illegible] seg. ant., [illegible] Type A.W.S. 8.4.1941

Alysia [illegible] ? 1♀ at 2 : [illegible]

C. cf. [illegible], [illegible] 1♂ & 1♀ [illegible], but ? agrees with specimen from [illegible], E.D., & ♂ probably this rather than small Aspilota.

Pentapleura [illegible] 1♂, ♀.

Aspilota spp. common: the following kept: 5 from 1 + 5 from 2

Orthostigma [illegible] 1♀ from 2. Aspilota [illegible] ♀, ♀ [illegible] seg. ant. (from 1)

A. cf. small [illegible] 1♀ at 1 [illegible] seg. ant.) A. cf. small [illegible] 1♀ at 1, [illegible] seg. ant. [illegible])

A. cf. [illegible] 1♀ at 1, with 20 seg. ant. A. cf. [illegible] ?? 1♂ at 2, 22 seg. ant.

A. sp. n. ~~[illegible]~~ = A. clara sp. n. A.W.S. 12/11/41. / = A. [illegible]ella [illegible] 2♂♂ / ♀ at 2, with small [illegible], 22, 22, [illegible] seg. ant.
(cf. ♂ taken at Loch Morar, [illegible], Scotland, on 10.7.1939. A.W.S.

A. cf. ruficornis ? 1 large ♂, darkened petiole & [illegible] seg. ant. at 2.

Dacnusa [illegible], 1♂ & 1♀ [illegible] at 2

~~D. [illegible] [illegible], [illegible] at 2~~ = probably [illegible] ! A.W.S. 12.11.40 [illegible] D. [illegible] 1♀ at 2

D. [illegible] ♂♂ & ♀♀ frequent at 2 : [illegible]

D. [illegible] 1♀ at 1. D. [illegible] ? , ♂ at 2

D. [illegible] ♂♂ & ♀♀, [illegible], at 2.

D. sp.? near [illegible] 1♀, 27 seg. ant., [illegible] seg., [illegible] at 2.

75

4. 9. 38 cont. Clara, Wl., cont.

Aphidiinae. Very numerous & some kept.

[illegible]. Numerously, but [illegible] kept & all from 2.

Chalcid. A nice little ♀ at 1.

→ This ♀ Aspilota has [illegible] A.W.S. 18/1/1942, but the [illegible] I leave them as distinct sp. under name clara for the present, as basal flagella segments are more elongate, especially segment 4

8th Sept. 1938 A most perfect autumn day, blue sky & all sunny till late evening, with rising barometer & strong W breeze, dropping at 6 P.M. In afternoon drove to Athdown, (Kippure Lodge) by the hill road, walked down to R. Liffey & collected in quagmire at foot of meadow & under trees on bluff under main road for an hour; then swept under trees along tributary stream back to bridge (i.e. the reverse of usual procedure) for another hour. Watched oaks, etc., in my bit sun for Crabro, but only saw C. varius & Mellinus arvensis. At bored standing tree (12 feet?) saw C. varius, C. chrysostomus & Pemphredon lugubris, the last carrying some flies, apparently "in its mouth, as a dog would do."

Insects plentiful under trees!

Saw one Clegg at 5.0 P.M.

Later drove on to Poulaphuca & picked up George & went on to glen at Ardinode, 2 miles S.E. of Ballymore Eustace, Co. Kildare

Pair Ravens circling over valley at 3.30 & calling vigorously, & then circled & drifted westward.

8.9.38 cont. Kippure Lodge, Athdown, Co. Wi.

3.20 – 5.20 P.M.

1 = Swamp at foot of meadow & under trees on bluff below road at SW corner of meadow, near R. Liffey.

2 = Under trees by tributary stream from its junction with R. Liffey to road.

Labelled 13/11/40 et seq.

Mellinus arvensis ♂♂ & ♀♀ very abundant.

Pemphredon lugubris ♀♀ carrying flies (in mouth) to holes in bored tree at foot of tributary stream.

Crabro varius frequent.

C. chrysostomus ♀♀ with Pemphredon.

Hypomecus quadricinctus 1 ♀ at 1

Hemiteles 1♀, 19 seg. ant. at 1 } [illegible]

H. 1♀, 18-seg. ant. at 1.

H. ♂, 19-seg. ant. at 2.

Microcryptus?? 1♀ at 1, tricolored antennae.

78.

8.9.38 cont. Kippure Lodge, Athdown, Wi cont.

[illegible], not seen, 1♂ at 1: =

Mesoleius 1♀, with, [illegible], at 2.
Stenomacrus cf. [illegible] 1♂, at 2, 27-seg. ant.

[illegible] or [illegible] ? 1♀, at 2.
Mesochorus [illegible] ?? 1♂ at 1
M. 1 at 2

Pantisarthrus (1♂, 1♀ at 1), & 1♂ at 2.
[illegible] 1♂ at 1.

Plectiscus 1♀, 22 seg ant at 2
6 1♀, 20 seg ant at 2
[illegible] 2♂♂ at 1, 1♀ 20-seg. ant.
=

Euphorus minutus ? 1 at 1.
Blacus paganus ? 1 large ♂ at 1
B. [illegible] ? 1♂, pale stigma, at 1.
B. tripudians 1♂ at 2

79.

8.9.38 cont. K.L., Athdown, Wi, cont.
[illegible] 1♂ at 2.

Orthocentrus cf. [illegible], 1 small ♂, 18 seg ant at 2
O. "pumilis" black var. 1♀, 22 seg ant at 2

Aspilota 2♂♂, 3♀♀, all from 2.
= A. [illegible] & [illegible] with 26-seg. ant.
(Note that [illegible])
A. cf. [illegible] a few ♂, with 25-seg ant, [illegible] large ♂ [illegible] !
A. cf. [illegible] 1 small ♀, with only 9-seg ant, [illegible] but [illegible] ??
A. sp. ? 1 small ♀, 19 seg ant. [illegible]
A. [illegible] ? 1 small ♂, [illegible], 18 seg ant.
[illegible] sp. 1 very small ♂, only 22 seg ant, yet [illegible], at 1
D. tenuis 1♂ at 1.
D. affinis 1♀ at 2.
[illegible] ? 1♂, [illegible], 16 seg ant, at 1

[illegible] 2 at 1, & 2 at 2.

[illegible] 1 at 2.

80

8.9.38. 7 30 till 8 P.M.

Glen above bridge & under trees NW of bridge at Ardinode, Co. KD.

(32 [illegible] & [illegible] labelled 8/11/40 or previously (A.W.S.))

[illegible] 1♂, [illegible]

P. [illegible] 1♂, [illegible], red-banded abd.

[illegible] 1♀, 28 seg. ant.

St. 1♀, 23 [illegible] ant.

[illegible] 1♂.

[illegible] 1♂

Leiophron [illegible] 1♀ in the [illegible] of the [illegible] of the first petiole [illegible], [illegible], like the sides, but in [illegible] parts [illegible]

Opius [illegible] ? 1♀

O. irregularis 1♀.

Phaenocarpa ruficeps 1♂, 1♀.

P. conspurcator 1♀

81

8.9.38, evening cont. Ardinode, Co. KD. cont.

Aspilota 2♂♂, 3♀♀ =

A. [illegible] 1♂, with 24 seg. ant., large eyes, [illegible] [illegible]

A. [illegible] 1♂, [illegible]

A. [illegible] 1♂, 19 seg. ant., [illegible]

[illegible] ♀, [illegible] 21 seg. ant., [illegible]

A. ([illegible]) [illegible] ♀, [illegible] 19 seg. ant., [illegible]

[illegible]

[illegible]

D. [illegible] 1♀

D. [illegible] 1♀

D. [illegible] 1♂, ♀.

D. [illegible] 1♂, 1♀ ([illegible])

D. [illegible] 1♀

Coelinius n. sp. [illegible] ? 2♂♂

Praon 1♀

Proctor. 5. =

82

11th Sept. 1938. A dull warm day with drizzle at times in morning & [illegible] [illegible] in afternoon, wind W & fairly strong. Very little [illegible], with very occasional gleam of sun.

Drove via Enfield to Royal Canal Aqueduct over R. Boyne, Co. ME, but collecting very difficult owing to wet grass; then drove on to Rosmead, Co. WH, ½ mile SSE of Rathowen, & there collected in long tree-belt for an hour or more, then home via Ballivor & Summerhill.

12.30 till 2.0 PM.

Royal Canal, where this crosses R. Boyne, Co. ME.

A few insects swept along S. edge of canal, some more in marsh & under hedge in field SW. of railway viaduct & still others in swamp under hedge SE of viaduct & near road, where left car. [[illegible] [illegible] 13/9/[illegible]]

[illegible] [illegible] ♀.

Di[illegible] ?? 1♀ =

D. ?? 1♂ =

83

11.9.38 cont. Royal Canal, Co. ME.

[illegible] 1♀.

O[illegible] [illegible] 1♀

O. [illegible] ? 1♀, 25 [illegible] [illegible], [illegible] [illegible] [illegible] [illegible].

D[illegible] [illegible] ? 1♂, [illegible] [illegible] 1?

D. [illegible] 1♀

D. ocellaris 1♂

D. [illegible] 1♂

D. [illegible] 1♀

D. [illegible] 1♀

D. [illegible] 1♀

D[illegible] [illegible] ? [illegible]

D. [illegible] 1 fine ♀.

C[illegible] conjungens 2♀♀.

E[illegible] [illegible] 1♂, 1♀ [illegible] in [illegible] [illegible].

A[illegible] [illegible] 1♀, very [illegible] [illegible]!

RIVERSDALE. W. A.W.S. 11 9 38

Rathdrum RIVERSDALE AWS 21/11/40

11. 9. 38 Afternoon. 3.0 till 4.15 P.M.

Riversdale, 2 mile SSE. of Rathdrum, Co. Wkl.

RIVERSDALE. W. A.W.S. 11 9 33

All swept E. of road. Some at [illegible] under trees, some under tree-belt, but almost all along sides of drain separating tree-belt from boggy field to E. 42 kept & these labelled '21/11/40' AWS.

Stilpnus gagates ? 1♀.
Microcryptus ?; 1♀
Pezomachus 1♀, small
Stenomacrus intermedius ?, 1♂
Promethes sulcator 1♂
[illegible] 1

Rhyssalus 1♂
[illegible] [illegible] 2♂♂, 2♀♀
[illegible] [illegible] 1♂
Alloea contracta 1 [illegible], [illegible] ♀
[illegible] [illegible] 1♂
Adelura sylvia 1 [illegible] ♀, 37-seg ant.
Orthostigma 1♀, with well-marked stigma, large and [illegible], short [illegible], 21-seg antennae, about [illegible] = [illegible] ?

11.9.38, cont. Riversdale, W.H. cont.

Aspilota [illegible] 1 [illegible] ♂, 46-seg ant.

[illegible] 1 [illegible] ♂, 25-seg ant., with [illegible] [illegible] & well-marked [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], C.V., R.C.F. 15.7.34

G. [illegible] 1♂, 18-seg ant.

G. [illegible] ? 1 [illegible] ♀, [illegible] [illegible] Tr[illegible]
& [illegible] [illegible] [illegible] [illegible].

Dacnusa [illegible] ? [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible], [illegible], with sharp [illegible], [illegible] [illegible], [illegible] [illegible], 22-seg. [illegible], all [illegible] [illegible] areolaria group, [illegible], large mandibles = D. [illegible] AWS. 21/11/40

D. [illegible] 1♂, 24-seg ant.; 3♀♀, 23 & 24-seg ant.; all [illegible] [illegible].

D. [illegible] ?? 2♀♀, short [illegible], well-marked [illegible], [illegible]

D. sp. [illegible] [illegible] [illegible] well-marked [illegible], [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] AWS. 21/11/40.

D. areolaria or laevipectus ? 1♂, [illegible] [illegible], 22-seg. ant.

Gnaptus? [illegible] ? 2♀♀, with 26 & 27 seg. ant.

Photo. 10.

11.9.38 aft. cont. [illegible], Co. WH cont.

See p. [illegible]

15th Sept. 1938. A very fine day after rain during previous morning & a clear cold night with very heavy dew ("frost"). Vegetation in shelter therefore too wet to sweep, except under very leafy trees; fairly dry in open. S breeze.
Drove in afternoon to Glending, 2 miles W. of Blessington on WI-KD border & collected for 2 hours or so; then on to Poulaphouca to pick up George; later drove on to the pass E of Hollywood, then left car, & walked to ruined cairn on summit of Slievecorragh, 1329 ft.; then home.

15.9.38. 3.30 – 4.20 P.M.
Marsh at head of channel, Glending, Co. KD, round remains of "kettle hole", really a small lake formed by falling in of side of channel after it ceased to take the melt water during Ice Age.
[23 only kept + these labelled 22/ix/1940 'AWS'.]

Labelled Glending Msh. Co. KD.

Hemiteles [illegible] 1♂, 1♀ on same card, but ? same sp..

[illegible] [illegible] 1♂.

Bracon [illegible] 1♂.
Microgaster globatus 1♂, 1♀.
Phaenocarpa (Rhopalomma gen. nov.) nimia sp. n. Type ♀, [illegible].
Dacnusa [illegible] 1♂, antennae broken.
D. areolaris 1♀.
D. pubescens 2♀♀.
D. [illegible] 1♂, 1♀, [illegible].
D. [illegible] 1♂, 1♀, [illegible].
[illegible] = [illegible]
D. [illegible] 1♀ (?) 26 seg. ant., [illegible].
D. "lentipes" 1♂, 27 seg. ant.
D. elegantula 1♀, 25 seg. ant.

88

15-9-1938 cont. Marsh, Glending, Co. KD. cont

[illegible] sp. ? 1♀, very small, 11 seg. [illegible] ant.,
[illegible] Tryphon Hol ?

[illegible] of [illegible] Hol. 1♀, 15 seg. ant., very small,
[illegible]

G. sp. ? ♀, 19 seg. ant., [illegible]
apex of abd. [illegible] & rather small, [illegible].

G. sp. ? 1♀ larger & blacker than last, but
[illegible], 17-seg. short antennae, legs very dark, [illegible] black.

15.9.1938. 4.30-5.30 P.M.
Plantation on E. side of channel, Glending,
2 miles W. of Blessington, Co. Wl.
[37 kept, these labelled 24/11/40. A.W.S.] Labelled [Glending Wd. Co. Wl.]

[illegible] ? 1♀

[illegible] sp. of debilis ? ♀, small, pallid, slender ant. &c.

Stenomacrus sp. near pallipes 2♂♂, 23 & 24-seg. ant.
St. sp. of brevicornis 1♀, 21-seg. ant. : small
St. rufus ? 1♀ 20-seg. ant. larger than [illegible]

89

15.9.38 cont. Plantation, Glending, Co. Wl., cont.

[illegible] 1♀, [illegible] or Birch.

[illegible] pictus 1♂, 21-seg. ant.
[illegible] 1♀ red legs, 20-seg. ant.
" 1♀ yellowish legs, 20-seg. ant.
" 1♂, " " 19 " "

Colastes braconius 1♀.
[illegible] ? 1 fine ♀, 45-seg. ant.
[illegible] ? 1♀ 27-seg. ant.
[illegible] ? 1♂, 24-seg. ant.
[illegible] paganus 1♂.
Opius ? sp. [illegible] ? 1♂ 31-seg. ant.
[illegible] 1♀.
Aspilota sp. of [illegible] ? 1♀, 17-seg. ant. [illegible] small subgenus.
A. sylvatica (multicolored antennae) ♀, 23-seg. ant. {NB. [illegible] A. [illegible] ?
A.W.S. 24/11/40.
A. [illegible] ? 1♀ 16-seg. ant.
Dacnusa lateralis 1♂ & ? 1♀, but petiole of
abd. much [illegible]
D. sp. n. near lateralis 1♂, 23-seg. ant.
D. [illegible] 1♂

90

15 9 38, cont. Glending wood, G.W1, cont.
Ephedrus plagiator 1 ♀, small sp.

Brontes. 10.

Hover-fly =

18th Sept. 1938. On duty in [illegible] in aft.!

22nd Sept 1938. A poor afternoon, with gale from SE & SW & consequent rain & drizzle, after rain in morning: very mild.
Collecting difficult in open owing to wind & very difficult in shelter owing to wet.
Drove again to Glending & tried wood but hardly any insects out, in too wind-swept, & a large herd of cattle parked in it. Then tried wood on Wicklow side & found it full of Hymenoptera but mainly common species.

91

22-9-38 cont. Wood round kettle-hole, Glending, G.W2 =(1) 4.0-4.30 PM
Only 5 hymenoptera taken here: none kept.
Glypta elongata 1 ♀, black sp.
[illegible] [illegible] 1 ♀.
Hemiteles sp. 1 ♂.
Pentapleura pumilio 1 ♀.
Dacnusa affinis 1 ♀, with 22 seg. antennae.

22-9-38 cont. Wood, Glending, G.W1.
4.30-5.30 =(2) & 6.0 till 6.30 =(3) PM.

All swept under trees or off banks of ash or birch; or (3) along boundary wall at N. end of wood. [32 from 2 & 11 from 3 not kept & thus labelled 26/10/40 A.W.S.]
Hemiteles 1 ♀ from 3
Stenomacrus minutus? 1 ♀ from 2. 16 seg. ant. [illegible]
St. intermedius? 1 ♂ from 2. 20 seg. ant.
Exochus pictus 1 ♀ at 2 (✓ A.W.S. 26/10/40)
Perilitus? 1 ♂, 1 ♀ at 3
? 1 ♀ at 3.
P. [illegible]? (? 1 ♂ at 2.
(Si comes)

22.9.38 cont. Glending, Wi., cont.

Leiophron [illegible] 1♀ at 2.

[illegible] [illegible] 2♂♂ at 2.

Blacus ruficornis 2♂♂ at 2. B. ambulans 1♂ at 2

B. pygmaeus ? 1♂ at 2.

Opius spinulator ? 1♂, 20-seg ant at 2. O. cingulator 1♂ at 2

O. [illegible] 1♂, 1♀ (a nice pair!), with 32-seg ant, at 2.

O. [illegible] 2♀♀ at 2.

Adelura [illegible] 1 small at 2, a ♀, 31 seg ant.

A. [illegible] 1♀ at 3.

Rhaconotus [illegible] 1♂ at 3

Aspilota spp 2♂♂, 4♀♀ at 2 = A. grandiceps 1♀, 23-seg ant.

A. sp nr [illegible] 1♂, with 23-seg ant.; 1♀ with 21-seg ant.

A. rufipes ? 1♂, with 17 seg ant, & 1♀, with 15 seg ant.

A. [illegible] ? 1♀, with 16-seg ant.

A. spp 1♂, 4♀♀ at 3 = A. procerus ? a very small ♀, with only 24-seg ant.

A. ruficornis ? 1♀, 16-seg ant. A. [illegible], 1♀, 17-seg ant. [illegible]!

A. sp. [illegible] 1♂, 24-seg ant.

A. sp ? near [illegible], but smaller with [illegible] & [illegible], 1♀ with 9-seg ant

Dacnusa [illegible] 1♀ at 2

Ephedrus validus very small ♀ at 3.

22.9.38, cont. Glending, Wi., cont.

Proctos. 2 at 2 & 1 at 3 =

Bug.

Small beetle.

Phorid (smashed).

25th Sept. 1938. A most perfect day, with very, very hot sun, & easterly breeze; after several poor ones, much rain, & a clear "frosty" night & very misty morning.

Drove to Kilmacurra Pass, between Rathdrum & Redcross, Co. Wi., & worked the oak-wood & roadside on S.E. side of pass, which pass is the high level overflow channel of the melt-waters from the maximum Wicklow glaciation.

Saw a swallow on the road to pass, ravens flying overhead & some fine plants of Orobanche major growing in the wood, the furthest being at least 5 yards from the nearest broom bush (on purpose!) & it & others grew at the foot of holly trees, as if parasitic on them, which is impossible, I suppose

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KILMACREA PASS
WI. A.W.S.
25. 9. 38

25. 9. 38 cont.

Oak wood & roadside, S.E. side of Kilmacrea Pass, Co. Wl. alt. c. ?

Ichneumonids abundant in the wood, but too hot & bright for Braconids: aculeates very abundant for so late a date.

[57 kept & there labelled 27.11.1940 AWS] 12-30 till 4.0 PM.

Bombus agrorum, many ☿☿ & a few ♂♂.
B. lucorum some ☿☿.
Psithyrus campestris ♂♂ frequent on Scabiosa succisa & at least one ♀ seen; both dark & pale ♂♂ seen.
P. distinctus ♂♂ seen in wood.
Andrena marginata [illegible], some ♀ collecting pollen on S. succisa.
Halictus rubicundus ♂♂ & ♀♀ on Scabiosa & Leontodon.
H. freygessneri 1♂ examined.
H. albipes 1♀ examined.
H. nitidiusculus several ♂♀ examined;
H. spp. many seen, not examined, but probably all belonged to above species;

95

25.9.38 cont. Kilmacrea Pass, Wl., cont.

Crabro varius, examined, several seen.
Passaloecus monilicornis 1 taken: & another of this species or Pemphredon lethifer seen: or was it Pemphredon ♂ though?
Vespa vulgaris: many ☿☿ & 1 fresh ♀ seen.
Barichneumon [illegible]? 1♂. B. albicinctus? 1♂.
Ichneumon deliratorius 1♂.
Stenichneumon culpator 1♀.
Chasmias motatorius, black var. 1♂.
" " also 1 normal ♀.
Cf. Diadromus troglodytes? 1♀.
Pezomachus [illegible]: 2 ♀♀, 1 red & 1 black head (not kept).

Stilpnus [illegible] ♀ [illegible] abdomen.

Rhyssa persuasoria, 1 medium sized ♀ taken & released.
Pimpla [illegible] 1♀.
P. quadridentata 1♂.

Schizopyga frigida 3♂♂.
S. [illegible] 1♂, 1♀.
Lissonota commixta? 1♀.

25.9.38 cont. Kilmacurragh Park, Co. Wl., contd.
[illegible] propius? 1 large ♂.

Promethes [illegible] 1♂ (not kept).
Polyblastus varitarsus? 2♀♀ at oak carrying
larvae; in one case these hatched, the other shrivelled.
Alexeter sectator 1♂.

Porizon 2♂♂

Campoplex black & yellow sp. 1
Cryptus? 2 spp. 2♀♀, and at oak.
Omorga sp.? 1♀ (not kept)
Gonotypus melanostomus 1♀.
Plectiscidae: common:-
Pantisarthrus 1♀, 1♂.
Helictes 2♂♂.
[illegible]
Plectiscus ♀.
? 1♀

25.9.38 cont. Kilmacurragh Park, Co. Wl., cont.
Braconids very scarce! but vegetation on ground too wet with dew to sweep, while intense sun rendered the shrubs untenable by most delicate insects.

Meteorus micropterus 1♀ very short antennae with moniliform segments.

Blacus ruficornis 2♂♂, 2♀♀: one of the ♂♂ has short wings & is nearly black, but seems the species.

Gnamptodon pumilio 1♀.
Opius [illegible]: only left one
= O. [illegible] Hal. 1♀, cf. 25 Aug. ent.
Aspilota / Synaldis 1♀: agrees well, but wings & 2nd cubital cell too wide.
Dacnusa [illegible] 1♀
D. [illegible] 1♂, 1♀
D. areolaris or laevipes common.
D. maculipes 1♀.
Aphidius 1 very small ♂ only: not kept.

25. 9. 38 cont. Kilmacurra Park, Co. Wl., cont.
Proctos. common

29th Sept. 1938. After a very wet night & a very fine forenoon a fog formed as wind turning SE. from W, at 2.30 P.M. followed by local drizzle & very heavy rain. Collecting thereafter almost impossible in most places. Drove at 2.30 to Kilbride & spent half an hour under trees on west slope of Dowry, Co. Wl., then on to George's Bridge on the Slaney, & finally to Kilbranelagh, 3 miles N.E. of Baltinglass, Co. Wl. In each place took a few Hymenoptera by sweeping, but vegetation in most places quite too wet to touch.

Called on my way home at Poulaphouca & brought George home at expiry of his "job" there on new dam.

29. 9. 38 cont. 3.0–3.30 P.M.
Under trees along road on W slope of Dowry, Co. Wl.

[Only Ichnft. & then labelled 2/12/1940 'A.W.S.']

Hemiteles 1♀, 21-seg. ant.

Stenomacrus rufus? 1♀, 20-seg. ant.

Aspilota petiolata? 1♀, 25-seg. ant.: very near A. ater & A. pseudopumila, but postpetiole of abd. longer & narrower.
Dacnusa lateralis? 1♀, 22-seg. ant.

Procto.: 2
=

100.

[14 kept & then labelling 2/12/1940 [illegible]]

29. 9. 38 cont. 4.30 – 5.30 P.M

Roadside (cliffs, hazel & willows) S. of George's Bridge, Co. Wl.

Bombus agrorum seen.

[illegible] ♀ 47-seg ant.

[illegible] ♀, 40-seg ant.

[illegible] pallipes 1♂, 23-seg ant.

[illegible] 1♀

[illegible] ♂ gen.? : 20-seg ant, no [illegible]

=

Mesochorus 1♀, 37-seg ant.

[illegible] lateralis ? 1♂.

[illegible] filator 1♂.

Blacus tripudians 2♀♀.

[illegible] ? 1♀, with 25-seg ant [illegible]: see previous page (99).

[illegible] ? 1 very small ♂, with 17-seg ant.

= [illegible]

Proctos : 2

=

101.

29. 9. 38 cont. 5.30 till 6.0 P.M.

Roadside betw. Kill (P. office) & Kill Bridge, near Kilranelagh House, NE. of Baltinglass, Co. Wl.

Bombus agrorum seen.

[[illegible] small species, [illegible] labelled 'Kilranelagh, Co. Wl. on 2/12/1940.' [illegible]]

[illegible] 1♂, [illegible], 20 seg ant.

= ? [illegible]

Dacnusa [illegible] ? 1♀, 23-seg ant.

[illegible] ? 1 very small ♀.

Procto. 1.

102.

6th Oct. 1938. A dull, windy afternoon, following cold [illegible] weather for a week including one of the worst gales for a long time on night of 3rd & following day: milder than of late & a very fine sunny morning till 1 P.M.

GLENASMOLE
6 10 38

Glenasmole, Co. Dub. 3.0 till 5.0 P.M.
Swept under trees between [illegible] house & the ford & along course of river to where boats are at head of lower lake, including the [illegible] patch & bank of river, (=1) then along W. path to upper dam & under trees just above same & on shore of upper lake just above boat house (on W. side) & also below dam under trees round old "garden" patch (=2). Insects extraordinarily abundant considering season & weather, which shows that "[illegible] can tell" with Hymenoptera.

[A.S. kept of these labelled 5/12/40, but [illegible] from station 1 & 2 not separated! A.W.S.]

Bombus [illegible] (? ♀ or ♂) seen by George on W. side of upper lake, on blackberry flower.

Ichneumonidae
Gen. et sp.? 1♂, like a [illegible], with [illegible] band [illegible] segment, but [illegible] a [illegible].

— cf. 2 [illegible] [illegible] [illegible] [illegible] on 22/9/46 A.W.S.

=

103.

6 10 38 cont. Glenasmole, Co. Dub. cont.

[illegible] 1♂ .. 23 [illegible]

[illegible] 1♀, [illegible], [illegible]

[illegible] 1♀.

[illegible] 2♀♀.

Pimpla [illegible] 2♀♀
Acrodactyla degener 1♀.
Homocidus [illegible] 1♂
Stenomacrus [illegible] ♂♂ & ♀♀ very abundant.
St. [illegible]? 1♀, 22 [illegible].
St. [illegible]? 1♀, 20 [illegible]; also 2 [illegible] & 2 [illegible] ♂♂, [illegible], 21 & 22 [illegible], [illegible], but [illegible] ♂♂ [illegible] [illegible]. A.W.S. 5/12/40.
St. confinis? 2♀♀, 22 [illegible]
St. sp.? 1♀, like [illegible] but [illegible], [illegible] 21 [illegible] [illegible] St. [illegible]

Orthocentrus [illegible], [illegible] [illegible].

[illegible] [illegible] [illegible] ♂
[illegible] [illegible] [illegible] ♂

6.10.38 cont. Glenasmole, Dub. cont.

[illegible] [illegible] 1♀. [illegible] ♂ ♀.

Bracon ? 1♀. [illegible] ? 1♀ 9 reg. nt.

[illegible] ? 2♂♂ (2 [illegible] ?) ♀ 1 [illegible] reg. nt. 23 reg. nt.

[illegible] ? 20♂♂ (2 genera) at 23 & 27 reg. nt. { [illegible] [illegible] [illegible] [illegible]

Apanteles [illegible] ? ♂ & ♀

Rhogas circumscriptus 2 not kept.

Perilitus ? 1♀, 24 reg. nt. P. ? 1♀, 19 reg. nt.

Blacus ruficornis 1♀

Centistes 1♂, not kept: probably [illegible] !

Opius cingulatus ? 2♀♀ not kept.

Alloea contracta 1♂.

Phaenocarpa [illegible] 1♂♂, not kept.

Aspilota spp. numerous but not kept, except
Aspilota vulgaris ? 1♀ 20 reg. nt.

Orthostigma [illegible] [illegible], 23 reg. nt.

Dacnusa longiradialis 2♂♂ not kept.

D. [illegible], [illegible] & [illegible] probably all [illegible]

D. [illegible] ? 1♀

D. [illegible] 1 male ♀, not kept.

D. sp. long terebra, 1♀ of allied [illegible] & new to Ireland

6.10.38 cont. Glenasmole, Dub. cont.

D. elegantula 1♀.

Aphidius only 1 [illegible] ? & none kept.

Proctotrypes very common; but only ~~after~~ [illegible] kept.

=

106.

9th Oct 1938. After bad weather & heavy rain on 8th: a bright day with gale from SW. & heavy showers, [illegible] [illegible] [illegible] in [illegible] for [illegible] to museum college-work & did not go out till noon: then drove to Lyons House on Grand Canal & DU-KD boundary, but wind blowing right along canal, so went on W of railway to sheltered spot by roadside at Reeves where stopped for an hour & then home.

Before leaving, about 3 P.M. taken many commoner on sheltered side of hedge & some taken with sweeper.

Roadside at Reeves, 3 miles
SE of Celbridge, Co. KD.
1 – 3 P.M.

[illegible] ? 1♂, black, red legs
= [illegible] [illegible] ?
Atractodes [illegible] ? 1♀ {[illegible] det. labelled [illegible] A.W.S.}
Empididae 1♂
Lepto[illegible] 1♀

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9.10.38 cont. Reeves, Co. KD. cont.

Pimpla [illegible] 1♀.

Plectiscus 1♂ =

Exallonyx 1♀

10th Oct. Saw several swallows flying S at 7.30 A.M. when I went to start of the car (to take George to Kingstown).

16th Oct 1938. Owing to bad weather at mid-week I was not out till this date, which, being Sunday, I was on duty in museum in afternoon.

A very fine day, but strong W wind, after a similar day on Saturday, but rain (a little) at night. Vegetation wet, but I did not collect. In morning drove to Phoenix Park with Daisy & spent a couple of hours there, watching. Saw many Vespa vulgaris ♀♀ & ♂♂ [illegible], the latter flying high & mainly round the trees. Also saw flock of swallows at foot of the Furry Glen about 12 noon.

18th Oct 1938 Stenomacrus [illegible]: 1♀ taken at light in house at 8 p.m. 14 [illegible] Rd, Harold's Cross, Dublin.

20th Oct 1938. A perfect morning after a most perfect day & night, turning dull at 2 PM. with drizzle again in hills & a warm wind.
In afternoon drove to Slade of Saggart for shelter & spent 1½ hours sweeping under trees. Insects abundant.

Slade of Saggart, Co. Dub. 3.0 till 4.30 P.M.
1 = Under trees in bend of road & along stream on left bank of river & above old road.
2 = Under trees along stretch of the old road

[Only 17 from 1, 14 from 2] those labelled 8/12/1940 kept: rest packed up for [illegible]]

Dicaelotus ramosus ? 1♀. (not kept).

Pezomachus [illegible] ♀.
P. 1♂ at 1.

Stilpnus pavoniae ♂ & ♀.

Phygadeuon 1♀ at 1

20.10.38 cont. Slade of Saggart, Co. Dub. cont.
Polysphincta 1♀ (not labelled).
Pimpla ovivora 1♀ at 2.
Homocidus pallipes 1♀
Promethes scutellaris ♂ at 2.
Orthocentrus protuberans 1♀

Stenomacrus ruficoxis ♂♂ & ♀♀ abundant.

Mesochorus

Plectiscus & very common, few kept only =
Plectiscus sp. 1♂ & 3♀♀ at 1.

P. 1♀ at 3

Proclitus 1♀ at 1.

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20.10.38 cont. Slade of Leppart, DU, cont.
Bracon [illegible] 1♀ (?).
Colastes braconius 1♀.

[illegible] pilator 1♀.
Blacus ruficornis 1♂ at 2.
B. [illegible] 1♀ at 1
B. [illegible] 1♀ at 2.

Opius [illegible] several.

Aspilota very common: only a few kept:—
= A. [illegible] 1♂, 17-seg. ant., at 1, maybe form of
A. [illegible] a small ♂♂, 24-seg. ant at 2,
Orthostigma [illegible]: 1♀, [illegible] 19-seg. ant, [illegible] at 2
Adelura flavimandibula 1♀ (not kept)

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20.10.38 cont. Slade of Leppart, DU, cont.
Dacnusa [illegible] 1♂
D. [illegible] ♂, ♀.
D. [illegible] 2 several
D. [illegible] "
D. [illegible] 1♀.
None kept.

Aphidiidae: only a few & only kept one:—
= Ephedrus [illegible] 1♂, 16-seg. ant., with [illegible], at 2

Proctos, [illegible], very abundant: only kept 6 (1 at 1, 5 at 2)
Exallonyx 1 big ♀, at 1.
Phaenoserphus 1♀, big [illegible], at 2

Chalcid 1 small ♀ at 2 =

Sawfly caterpillars very frequent.

23 – Oct. 1938. One of the most perfect days of the year, but following two almost continuously wet ones. Therefore vegetation & ground still soaking wet. Sun from 8 AM till 5 PM, except for early mist, which cleared on hills much earlier than over the plain.

Drove to [illegible] via [illegible] camp, stopped on highest point of the road S. of camp (11.30 AM) & walked up W. face of Seefin (2034 ft), inspected the cairn which was examined by Prof. R.A.S. Macalister a few years ago. Walked across summit & down N.E. slope to head of the "muddy gash" which drains the col between Seefin & Seefingan. – then back to car. Boots had [illegible] & felt almost saturated by now, in spite of pleasant N.W. breeze. Later drove on to Kippure Lodge & did a very little sweeping; but leaves mostly off trees & ground vegetation scanty & very wet. Insects, however, plentiful on oak, &c, but *Strophosomus* *[illegible]* too common & a nuisance.

23.10.38 cont.

W. slope of Seefin, Co. Wi.,

1♀ taken with sweeper at about 1600 ft.

Ichneumon sp.? 1♀ seen by roadside, but escaped. Sign of I. confusorius.

Bombus sp. seen by M.K.S. & heard by A.W.S. on roadside.

Psithyrus campestris v. *rossiellus* 1 very fine fresh ♀ seen by roadside.

Vespa *vulgaris*: watched ♀ investigating scree on slope at about 1700', evidently with the intention of hibernating.

Peacock Butterfly. One very worn basking in sun on cairn on summit of Seefin; another much fresher seen on slope at about 1600 ft. on return journey.

Birds very numerous along road to 1,500 or more: mostly Meadow Pipits & Wheatears, the latter very tame. A Raven [illegible] hanging on hill & annoyed the [illegible]. Also saw Stonechat perching lonely (♂?) on rock below road.

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23.10.38 cont. Seefin, Wi., cont.

Foxes. Disturbed two fine foxes on way up to summit & watched them for a long time, till one went SE over shoulder of hill. On way down twice disturbed one, probably the second seen before, at very close range.

23.10.38 aft. 2.30 – 3.30 P.M.
Scrub W of Kippure Lodge, Co. Wi.
[= Athdown]

Bombus agrorum 2 ♀♀ (or ♂♂?) seen on flowers of Carduus palustris, well apart, one very faded, the other quite fresh

Epitomus pygmaeus 1♀. not kept

{only ♀ kept & these – labelled 9/12/40. A.W.S.}

Stilpnus gagates 1♂. not kept
Pezomachus [illegible] 1♀ not kept
P. [illegible] small ♀

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23.10.38 cont.: Kippure Lodge, Athdown, Wi., cont.

Stenomacrus [illegible]: some ♂♂, many ♀♀. 4 kept.
S. [illegible] ♀♀, also ? 1♀ kept.
S. 1♂, dark legs, 26-seg. ant.

Plectiscids: a few: only 2 kept.
= Aperileptus 1♀.
Plectiscus 1♀.

Proctos: a few: none kept.

Braconids: only 3 kept.
Rhogas ruficeps Nees 1♀: agrees almost perfectly with Marshall's description. A.W.S. 9.12.1940.
Blacus ruficornis 1♀.
Dacnusa maculipes 1 with immature ♀.

26th Oct 1938.

On this day received back from D. S. Wilkinson three specimens of Apanteles lateralis Hal., with slip naming the species, from following localities:–

Tullaghan (garden etc. at the Lodge), Co. LE. A.W.S

1♀ at 1 & 1♂ at 3, 24.6.1936.

Do - do - do 1♂ on 25.6.1936. A.W.S.

With these Wilkinson sent series of the following species bred in England.

1. Apanteles lateralis Hal. "Swept off nettles where Simaethis fabriciana abundant", Stephensons E Surrey. D.S.W. & R.L.E. Ford 15-19.IX.'38. RF. 139.
2. A. rubecula Marshall. Ex Pieris rapae. Slough, 3X., O.W Richards.
3. A. limbatus Marshall. Ex Abraxas grossulariata. Reading, 3X. 1936. H. L. Bolton.
4. A. coleophorae Wilkinson: co-type. Ex Coleophora fuscedinella on Elm. Coll. 8.VI.37, em. 6.VII 37. Cambridge. R.L.E. Ford.
5. A. dilectus Hal. Ex Gracilaria syringella on Lilac. Coll. 22.VI.37, em 3.VII 37. Yeovil - St. Chads. D.S. Wilkinson.

N.B. The Dacnusinae specimens were returned to me in Sept 1939 on outbreak of war, but with the others. A.W.S.

28th - 31st Oct.

G. E. J. Nixon of Imp. Inst. Ent. arrived by night boat on Friday, 28th & stayed till evening of Monday 31st for "conference" re Dacnusinae &c & many other matters connected with the Braconidae. While with me he selected such Diapriids & Belytids as he wished to take back to London to study, as well as many specimens of Dacnusa. On the aft. of 30th we drove to [illegible], Wi. & beat a number of Ichn. & Brac. from oak, alder & pine: including Stenomacrus vitticollis 1♂ at least & very many ♀♀ (hundreds!), Orthocentrus radialis & protuberans ♀♀ & possibly another sp. with red antennae; Aperileptus sp. ♀; ♂ Cryptinae; Blacus tripudians ♀; Coloastes braconius 1♀: came home by the hill-road via [illegible] camp & Ballynascorney gap. On 31st took out for a walk on the rubbish-dump on the Tonguefields, Kimmage, Dublin saw a ♀ Bombus agrorum flying across towards Mt. Argus & Nixon saw another Bombus previously; also Vespa of sea

6th Nov. 1938. The 3rd successive [illegible] warm sunny day (Temp about 55°-65°: 65° recorded in England also on 4th inst.): W wind, except along coast where E, causing slight gloom & cloud but no rain.

Devil's Glen, Co. Wi., 11.30 AM - 3.45 PM

Left side of avenue to Z & round between avenue & river at & just above upper lodge (in main). Insects plentiful.

[36 specimens only kept & these labelled 13/12/1940 'AWS.']

Bombus agrorum 1 fresh ♀ & 1 ☿, both visiting belated flowers of Teucrium. Almost if not quite my latest date for a Bumble Bee!

Vespa (vulgaris?) abundant on ivy blossom at Ashford & odd specimen seen in the Glen also, where a ♂ watched 'searching' a large oak (for ♀♀?).

Chasmodes [illegible] 1 [illegible] [illegible] ; [illegible]

[illegible] [illegible] 1♀, ad.

[illegible] ♀, [illegible], [illegible], on heath: not kept [illegible]

♀ [illegible], [illegible]

[illegible] [illegible] ♂ & [illegible] 6♀♀ of [illegible] 2♀♀ [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] =

But see p. 123 [illegible]

6.11.38 cont. Devil's Glen, Wi., cont.

Hemiteles sp. 1♀ yellowish [illegible]: looks like [illegible] [illegible] 20-say [illegible] =

Stilpnus gagates 3♂♂ not kept.

Orthocentrus [illegible]? 1♂

Plectiscus [illegible] abundant [illegible] on [illegible], ♂♂ & ♀♀, but otherwise scarce.

[illegible] [illegible] ? 1♂

Plectiscinae [illegible] six kept [illegible]:—

Symphylus? [illegible]? 1♀, 1♂, 21-say [illegible]

[illegible] [illegible] ? 1♂

Plectiscus sp. 1♂ Proclitus [illegible] ? 1♀

Proclitus sp. 1♀, 18-say [illegible] P. [illegible]? 1♂

Blacus ruficornis 1♀

Opius sp. [illegible] [illegible] [illegible] [illegible] [illegible] AWS 13.12.1940

Adelura [illegible] Alloea contracta 1♂

Aspilota truncata [illegible] AWS 13.12.1940 [illegible], [illegible], 15-say [illegible]

A. [illegible]? 1♀, 21-say [illegible], [illegible]

A. ruficeps? 2♂♂, 15-say [illegible], [illegible] [illegible] [illegible]

6.11.38 cont. Devil's Glen, Co. Wi., cont.

Dacnusa laevipectus 1♂, 3 ♀♀ the only Dacnusini seen.

Aphidius sp. 1 only, ie one ♂, at dead leaves.

Proctotrupid fragment: only a ♀ not kept.

Hemiptera: –

NB. Oaks still in full leaf owing to autumnal growth after early drought. Saplings of alder & hazel also with leaves, but birch mainly bare. Many trees uprooted, probably by gale early in Oct.
Again visited site of former colony of Formica rufa but no sign of this ant.

9th ~~Oct~~ Nov. 1938. Slade of Saggart, Co. Dub.

A poor afternoon, dull & windy (SW), cool, but very dry & vegetation dry enough to sweep, which is very rare at this time of year, except in a few open spots in shelter. Insects very numerous, especially Stenomacrus notabilis & [illegible].
3.0 till 4.0 P.M.

[Only 12 kept (9 from 1 & 3 from 2, but no note made as to what 1 & 2 mean & I can't remember] A.W.S. 14.12.1940.

Pezomachus 1♀ at 1.

Stenomacrus (Hemiteles) cf. pusillus 1♀ at 1

St. ridibundus 1♂, 1♀ at 1.
St. ventralis, see note above: none kept.
St. cubiceps { 1♀, 24-seg. ant. at 1 }
St. cubiceps } 1♂, 27-seg. ant. at 1 }
Apanteles fulvipes? 1♀ at 2, [illegible]
Blacus humilis? small, 1♀ at 1, with 17 & 18-seg. ant. owing last segment being split in one antenna.
Aspilota radialis? 1♂ at 2.
Dacnusa gilvipes 1♀ at 1, very late date for the sp.

9.11.38 cont.: Sands of [illegible], Dub., cont.

Photos: only one left from 1 & 1 from 2.

=

13th Nov. 1938. A poor day with conflicting SW & SE winds, bright intervals with hot sun, & heavy shower at 5 P.M. After a very wet night. Drove to Portrane (N of Asylum) & walked N along strand to point of The Burrow (facing Rogerstown Pier) where had lunch; then walked up estuary shore for a mile & back via the Burrow. [illegible] great many mushrooms & a very plenty of Helix pisana & H. [illegible]. [illegible] [illegible] on dunes. Did not collect insects, but flies very numerous at the point, in shelter at H. Tide level & was bitten by a Stomoxys there

16th Nov. 1938. After a wet night & forenoon, cleared in afternoon, so went to Glenasmole. River risen in spate, but pleasant & much drier under foot than expected. Did not collect, but saw 1 freshly emerged ♀ Bombus agrorum sitting on flower of Knapweed & very [illegible]: carried her on my hand back to near House. Then put her on stone-built bank beside path & saw her run into crevice quite lively & strong.

Glenasmole, Co. Dub. 3.0 till 4.0 P.M.

Bombus agrorum 1♀ on Knapweed flower near head of upper reservoir, W. side.
Stenoceras [illegible]: several ♂♀ swarming about a laurel tree near house.

Garden, 14 Clareville Rd., Harold's Cross, Dub.
On 14th Nov. 38 Daisy discovered a Small White Butterfly on a Chrysanthemum flower in garden, which hidden under a leaf was still there on evening of 16th, but not seen afterwards. Sex uncertain, as wings tightly closed!

1928

After 15th Nov. I had no opportunity for collecting, till end of the year, except once.
Then I spent two hot sunny hours about the Furry Glen in the Phoenix Park, Dublin, in the forenoon & saw many Vespa vulgaris on the ivy-blossom there.
The weather subsequently was very bad & an acute frost a week before Xmas burst the water-jacket round the engine of the car: also I was not feeling well from [illegible] after [illegible]
On 29th I had to go to bed with temperature which lasted 5 days & ended with bronchitis, so that I was [illegible] in the house & did not return to [illegible] until 22nd Jan —

~~Bred~~ from Blackbird's nest (No. 151) taken on 23.4.1939, in St Anne's, Clontarf, Co. Dn, by E O'Mahony. Em. 16.5.1939.
Rhogas 1♀

Bred from Diptera in old Mistle Thrush's nest (No. 153) by E. O'Mahony; nest taken in St. Anne's, Clontarf, Dub., on 23.4.39.
Phorids. = . Ich. Hemiteles 1♂ em. 22.5.39.
Aspilota ruficornis? 1♀ em. 1.5.39
A. (Synaldis) of [illegible] {1♂ em. 11.5.39 — [illegible]; 1♂ em. 8.5.39; 2♂♂ em. 11.5.39, with 23, 24, 25 & 25 seg. ant. resp.
Orthostigma pumila? [illegible] thick form } 1♂ em. 4.5.39 with 23 seg. ant. 3♀♀ em. 11-16.5.39 with 21, 22 & 21 seg. ant. resp. } = Cynipid: em. 22/5/39.

April 1939. Insects taken in St. Annes, Clontarf, Dub, by E O'Mahony on 16th & 20th April 1939. [illegible]
16th/ Aspilota [illegible] with 1♂, 27 seg. ant. Campoplegid ♂ [illegible]
20th/ 2 sawflies: = Empria [illegible]? [illegible] many [illegible]
Pteromalus?? 1♀.
[illegible]? ♀
2 Proctos.: = 1 Diapriid —
& 1 Scelionid —

1939.

Following the very intense cold spell just before Xmas the new year opened mild, then alternated between mild & cold with consequent frosts & very heavy rain till 27th when E. & very cold & dry wind set in after some snow, which only lay on the hills. The first Snowdrops came out (under drawing room window, 14 [illegible] Rd.) in first week of January. These were followed by Crocuses in same place & along the wall of dining room on 21st & 22nd Jan. On 22nd Jan. Daisy & I walked up Dodder from Orwell Bridge to Rathfarnham Bridge & saw Hazel catkins out in "scrub" below "[illegible]" just above Orwell Bridge, while further up Celandine & Coltsfoot were both in flower on bank of river.

4th Feb. Snowdrops in back garden out.

7th Feb. Old clump of Snowdrops out under drawing room window. On same day & following days [illegible] in [illegible] [illegible] Lawn.

5th Feb. Honey Bees flying seen here at Hughes' dairy near "the [illegible]", Rathfarnham.

12th Feb. First flowers of [illegible] [illegible] opened. Much sun on 10th & 13th, showers on 11th & 12th with heavy rain & squalls on night of 11th & 12th.

Feb 1939. seen same date: White Crocus [illegible] out in garden (No. 10) Glanville Rd.

On 16th The purple Crocus in front garden by path to gate very nearly to burst open & one clump of Red Saxifrage (muscoides-like form with nearly sessile flowers) had many blooms partially out: Day or two [illegible]; while the S. oppositifolia which had one flower on 12th now had six. Neither plant of S. apiculata had a flower open though many almost out. On this date also the Almond in Kenilworth Square was nearly out. Much hot sun during last week & mild; but today much colder though sunny, with NNW wind.

18th Feb. Purple crocus "out" but not "open" as not sufficient sun. Welsh (Snowdon) Sax. oppositifolia on E. side of back garden with several flowers.

20th Feb. First (2) flowers open on Almond Tree — Kenilworth Square in afternoon after much sun.

22nd Feb. Snow in late evening, then rain, & all snow gone by morning, except on hills, where still white, above 700 feet or so.

24th. Gorgeous sunny day after slight frosty night.

24 Feb 1939 cont.

Sax. apiculata (old plant by gate) at last with one flower open & Sax. opp. (large Snowdon form in W. front border) out.

1st March 1939. Walked up the Dodder from Dartry to Rathfarnham Bridge in afternoon, at latter place the willows below the bridge now out a few days. Sax. Alexanderi in flower below Orwell Bridge & at bend above same watched a Kingfisher fly up & alight on an overhanging branch in doing which distinctly "hovered" in slowing down before alighting, like an autogyro plane landing.

Also Laurel & Petasites vulgaris in flower below Orwell Bridge —

In garden, 24 Glanville Rd., the Flowering Currant had on this day opened its first flower, while the flowers of the Mediterranean Heath long nearly in flower, were not yet open. Female Salix cinerea in back garden also just almost out, but not open.

2nd March 1939. Chionodoxa (2 plants) in flower in front garden under drawing room (side) window, after hanging fire for nearly a week. This day very mild & soft, after rather cold & wet weather.

10th March 1939. Taken by E. O'Mahony in St. Anne's, Clontarf, Co. Dub., sweeping grass, in afternoon.

A very fine mild day with much sun!

Pezomachus [illegible] ♀.

Blacus ruficornis 1 ♀, no doubt just out of hibernation.

Dacnusa areolaris var.? 2 ♂♂, with very black body & legs like darkest form of maculipes, but no [illegible] present & stigma long & narrow towards apex.

12th March 1939. A most perfect day, after a clear frosty night & considerable rain on 11th: hot sun practically all day, with cool but gentle N.W. breeze. Went by 10.30 bus to Old Bawn & walked up road on E. side of Glenasmole & down lane leading to upper dam, then cut across fields to 3rd coomb on E. side of lower reservoir, there stayed a couple of hours basking, then by "willow glade" & jungle path to upper dam & so back to bus via Mooreen & road to Bohernabreena. Primroses in quantity by the hedges at pathsides above Mooreen, & here & there in jungle etc. The female willow (S. cinerea) with a few flowers out

12.3.39 cont. Glenasmole, Dub. cont.

in willow glade & others mostly out, but the only tree with male catkins out seen on slopes just above fallen block near Mr Doyle's & by road below R.C. Chapel, Bohernabreena.

No bees seen at bee bank in 3rd coomb, but just above same took a very fresh ♂ Andrena clarkella, which lit on grass tuft at 1.30 pm. And just before this in same place saw a ♀ Dolerus nitens fly down amongst grass & moss & successfully stalked & put tube over her. Previous my earliest date for a Dolerus was 25th March (1925) in Gold Mine Valley, Wi.

On way through willow glade saw some of the usual [illegible] (?) at ♀ willow catkins & captured 2 ♂♂. Except a few Chalcids the only other hymenoptera seen were an active colony of Myrmica scabrinodis v. sabuleti on the bee bank in 3rd coomb. No Bombus seen or heard all day. Frogspawn already hatched in spring-pool in field above on way down to 3rd coomb.

Taken in St. Anne's, Clontarf, Co. Dub. on 12th March 1939
by E O'Mahony.
Dacnusa areolaris var? The same dark legged form as referred to on p. 132 ante; but 2 ♂♂ & 1 ♀ this time. The ♂ (wg. left) has 21 seg. ant., while the ♀, which was only partly emerged has 23 seg. ant. Nixon states that while maculipes may have 23 seg. ant. he had never seen areolaris with this number, yet although the above specimens agree better with maculipes in the characters of the ♀ & in the colour of the legs, they have no trace of [illegible] & the stigma is long & not swollen apically as in maculipes.

Epitomes [illegible] with added ♀.

C. Waller reported 4 ♀♀ Bombus lucorum seen on 12.3.39 in Bot. Garden & E. O'Mahony 1 ♀ ditto at Dollymount.

13th March 1939 Mild, raining all after midday but hot sun in forenoon.
M.D.S. saw 1 ♀ Bombus lucorum in garden 14 Glenville Rd, Harold's Cross, Dub., at flowers of ♀ Salix & Flowering Currant.

24th March 1939. Cold, with showers from NW-W — hot afternoon.
Walked from Whitechurch bus up Kilmashogue to back of St. Columba's College & back to Rathfarnham bus, Co. Dub.
Saw no Lepidoptera. Blackthorn out near the church; just a few flowers.

26th March 1939 Very cold, E or N winds; mainly cloudy, & none of the few sunbursts lasted more than two minutes. Two Bumble bees seen only all day.
Took 10 AM bus to Bohernabreena, & walked up Glenasmole, across lower dam, along left of coombe, stayed an hour in 3rd coomb; then on to upper reservoir & along its E side to top (R Dodder), then back again across upper dam & back to bus 3.10 PM by road, Co. Dub.
NO CHIFF-CHAFFS singing & none seen —
NO Sandmartins seen over the Dodder either —
J. P. Brunker & Rev. H. & Mrs Jennings heard one Chiffchaff at Wicklow on 10th, & C. B. Moffat heard one at Blanchardstown on 22nd. Willows scarcely further on than on 12th.

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30th March 1939. A cold dull day but no rain after heavy rain for two days & snow on hills on 29th. Mr Moore reported four inches of snow at his doorstep on afternoon of 29th, but turning to rain all gone below about 1700-1800 feet on 30th.

Took afternoon bus to Bohernabreena & walked up Glenasmole to upper reservoir & back. Did not collect & saw no insects of note. Just above Mrs Doyle heard a single Chiff-chaff sing twice, but not again. No Sand Martins by the Dodder.

From a brown cocoon found by Daisy (M.D.S.) on trunk of large birch near drowned fallen beds, emerged (between 29 June & 14 July 1939) a ♂ Lophyrus pini. Several conifers grow near the birch.
A.W.S.

Following walk on 30th I developed a septic foot (from a patch of eczema) & had to stay at home on 1st April & until 11th, during which time weather turned summerlike (on 7th) & remained so till 13th.

During this period temperature rose to 65°F from 45° or less & there was much hot sun yet A.M. Guzman & R.C. Faris reported

(April 1939)

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For insects taken by E.D.W. in St Annes, [illegible], on 16th & 20th April 1939 see p 128 ante.

few insects out, though there was a rush of incoming migrant birds on 9th to 11th, especially Willow Wrens, which came en masse. I, tied to house, missed all the fine weather, & was only able to see a few things in garden or listen to reports by George & Daisy on them.

Bombus agrorum a dark, richly coloured ♀ seen in garden on 9th & again on 10th.

B. lucorum ♀♀ reported nearly every day.

Vespa germanica ♀ on motor house window on 8th.

Small White Butterflies reported on 12th.

Peacock in back garden on 13th.

Frog re-appeared in garden, at least first seen on , sunning itself at [illegible] (Now in its 3rd or 4th year?)

Starlings started nesting in roof of No 53 Westfield Road in last week of March, after not being seen near site since last nesting season, though in previous years they haunted the place all autumn & winter. Therefore probably a different pair. Not known whether 1938 nesting was successful, as holidays spoiled observation!

19th April 1939. A beautiful day, after a perfect early [illegible] intense sun. [illegible] still troubled with sore foot, spent the afternoon in garden, 4 Clareville Rd, Harold's Cross, Dublin.

White saxifrage first out for the date & many other flowers about the same time. Saw Small White Butterfly, Bombus lucorum ♀, B. agrorum ♀, and also was amazed to see a ☿ (worker!) of B. jonellus come to the flowers of Mediterranean Heath in back garden about 3 P.M. An hour later a ♀ (queen!) B. jonellus seen on same bush. Year after year this species comes to the flowers of this heath, of which I probably have the only plants for some distance around. After leaving my garden the ♀ was seen to fly S.W. across the road towards the Clarence Mangan factory, as noted on some previous year (or years?).

[For insects taken by E.O'M. in St. Anne's, Clontarf, Dublin, 20.4.39 & 23.4.39, see p. 128, ante]

23rd April. Worker (☿) of Bombus jonellus again seen at flowers of Mediterranean Heath in back garden.

For over a week a ♀ Bombus lucorum was seen at dusk in the back garden, [illegible] [illegible] at the flowers of Black Currant &c. [illegible] [illegible] [illegible] [illegible] [illegible]

[Again seen between 7 & 7.30 P.M. (summer time) on 24th & 25th

26th April 1939. A fine sunny day with warm E. & N.E. wind. Went by 2.10 bus to Bohernabreena & walked up Glenasmole to Moore's Lodge & back to catch 5.15 bus home. Swept a little under trees by but [illegible] along [illegible] lower reservoir & in various places between Moore's Lodge & river. Nomadas [illegible] very common but little else. [Only 1 kept & then labelled 18/13/1940 A.W.S.]

Glenasmole, Co. Dublin. 2.0 till 4.20 P.M.

Bombus lucorum ♀♀ several seen. Kept 1♀ 2♀♀ [illegible]

Andrena [illegible] on Dandelion

[illegible] [illegible], several not seen, not kept.

[illegible] 1♂ kept. [illegible] [illegible] ♂♂ & ♀♀ not kept.

Nomada [illegible] ♂♂ & ♀♀ common 1♂ 1♀ kept

N. leucophthalma ♂♂ & ♀♀ frequent [illegible] [illegible] [illegible] [illegible]

N. [illegible] several: ~~[illegible]~~

N. [illegible] several. [illegible] kept, my largest ♀ [illegible] [illegible] antennae: [illegible] [illegible] [illegible] dark-stained femora

Aphodius [illegible] not kept

Proctos. 2♂♂ kept.

Willow nearly over & Blackthorn just coming out.

30th April 1939 A cold sunny day, with strong & bitter N.E. wind, after a dull morning, with light rain between 7 & 8 AM. Went by 9.55 bus to Bohernabreena, walked up Glenasmole, through waterworks & on to Cobb's Lodge, then cut across moor to Upper Dodder, where had lunch in shelter. After lunch went up the Dodder for half a mile, recrossed & came back across moor to [illegible] & back to Glenasmole, catching 5 PM bus at Bohernabreena. Few insects out & did not collect seriously.

Glenasmole, Co. Dub. 30/4/39.

Only kept & those labelled [illegible]:

Dacnusa areolaris ♀♀ swept by lower reservoir.

D. longiradialis ♀♀ very large, swept by [illegible] patch & "bushes" in "bank" 150 yards below house.

Apanteles [illegible]? 1 with host.

[illegible]: a small ♂♂ taken & others seen at alder on E side of upper reservoir: obviously searching but no ♀ seen =

30/4/39 cont. Glenasmole, Dub. cont.

Bombus lucorum ♀♀ frequent.

B. agrorum 1 ♀ only seen all day, at E side of upper reservoir, at flowers of Viola riviniana.

Psithyrus distinctus 3 or 4 ♀♀ seen

Andrena [illegible] several ♀♀ seen, one on primrose.

A. praecox 1 ♀, pollen laden, seen entering burrow in thick vegetation on roadside bank below up. reservoir & Cobb's Lodge.

Halictus calceatus or albipes 1 ♀ } near last.
Nomada leucophthalma several }
Salius fuscus ♂♂ }

Myrmica ruginodis: a very small dealated ♀ in field by Dodder just above where it enters up. reservoir. ♀ a "microgyna": no other ants seen at same place.

Orange tip Butterfly ♂ seen.

3rd May 1939. After a dull morning & frosty night, a beautiful sunny afternoon, with strong S. breeze but much milder & more genial than any day for some time, with barometer down & falling: "trough of low pressure moving E"!

Rode on cycle to Glenasmole in afternoon, arriving about 3 30 at Moore's, went straight across to "Willow glade" above E. side of lower reservoir (=1) & swept willows there for about 1½ hours. Salix cinerea further over, but S. aurita still in flower (=1) Later 5.30 till 6.0 swept under trees &c, between Moore's house & reservoir, but wind then strong & chilly & little out except Dolerus aeneus, which was abundant. (=2)

[8 kept from 1 & 5 from 2; & these labelled 4/12/1940 [illegible]]

Glenasmole, Dub. 3.30 till 6.0 P.M.

Bombus lucorum & agrorum (2) ♀♀ seen.
Andrena albicans ♂♂ & ♀♀ seen.
Vespa vulgaris & rufa ♀♀ seen.

3.5.39 cont. Glenasmole, Dub. cont.
Nomada ruficornis ♂?, probably bifida.
Salius fuscus ♀ seen by Daisy on log at 2.
Formica fusca ♀♀ workers on willows at 1.

Xyela julii ♀ swept at 2 next Glenasmole & Dublin, I think.
Pontania 1♀ on Salix at 1.

Nematus ? sp. ? 1♂, 1♀ at 1, these ? taken on 10.5.1936.

Apanteles 1♂ at 1, dark legs.

Phaeocampa galeata 1♀ on Salix at 1.

Dolerus madidus 1♀ on Salix at 1.
D. coeruleus } at 2.
D. longicornis 1♀ } at 2.
D. aeneus abundant at 2. 10♂ kept.

p.t.o.

3.5.39 cont. Glenasmole, Dn. cont.

[illegible] ? 1 ♀ at 2, [illegible]

[illegible] . ♀ [illegible] : 1 ♂ kept . [illegible]

[illegible] 1 ♂ at 1 ; not kept

[illegible] ? [illegible] 1 ♀ on Salix at 1

1 ♂, 1 ♀ kept [illegible] card.

[illegible] ? 1 ♀ at 1 ; [illegible]

[illegible] 1 ♂ at 2. [illegible] ? [illegible]

= [illegible]

3.5.39. Bombus lucorum ♀ seen on cabbage flowers in garden 14 Clareville Rd., Harold's Cross, Dn. at 2 PM.

7th May 1939 A most perfect morning, after heavy rain the previous (Sat.) evening; [illegible] & very hot sun, S.W. breeze, till 2.30 PM, when a [illegible] over [illegible] & a [illegible] about 4 PM.

Rode to Glenasmole (Moors), then walked up to Slade Brook, where Willows [illegible] & some [illegible] but not many in flower yet, then [illegible] along E side of upper reservoir to the "willow plate" opposite [illegible], where [illegible]

a little after rain [illegible]

[illegible] . 12 noon – [illegible] PM.

1 = Slade Brook at abt 1,900 ft.

2 = Grass & willows at head of upper reservoir.

3 = Willow plate [illegible] wood, opposite [illegible] of upper reservoir. Specimen from 3 labelled (3) 7.5.39.

Specimens from 1 & 2 not separated & just labelled "Glenasmole 7.5.39." [illegible]

[5 kept only from 1 or 2 & 5 from 3, then labelled 20/12/1940 AWS.]

Bombus lucorum ♀♀ seen

B. [illegible] 1 ♀ seen [illegible]

B. jonellus 1 ♀ at Vaccinium flowers at 1.

B. [illegible] 1 ♀ seen [illegible]

[NB. B. agrorum [illegible]]

[illegible] not [illegible] for a [illegible]

[illegible] 2 [illegible] at 2 : not kept

[illegible] 1 ♀, 21-seg ant., [illegible] at 1 or 2.

Hemiteles 1 ♀ at 2, 21-seg ant.

[illegible] 1 ♀ at 1 : not kept

Sp. 1 ♀ at 1 : not kept

[illegible] 1 ♂ at 2 . [illegible]

[illegible] ? [illegible] on 3.5.39 at 3, [illegible]

[illegible]

7.5.39 contd. — Glenasmole, Dub. contd.

Aspilota nigrescens? 1♀ at 1 or 3, with 18 seg. ant.

Phaenocarpa galatea 1♀ swept off Salix at 3.

Dacnusa ~~[illegible]~~ 1♀ at 2, & 1♀ at 3.
25 seg. ant. 24 seg. ant.

? sp. n., with dark apice to third tibiae & very jointed antennae.

Platygaster 3 at 3

= D. lateralis, mihi? A.W.S. 20/12/40
Probably only a var. of Campestris after all? A.W.S. 21/12/40.

Whitethroats, cuckoos, & 'Corncrakes' (of grasshoppers?) heard!
No Swifts yet!

10th May 1939. The hottest day of the year so far, with intense sun in forenoon, but dull & sultry in afternoon, with W. breeze.

Rode to Furry Glen, Phoenix Park, Co. Dub. (2.30 to 4.30 P.M.) where the Corporation are preparing to lay a pipe line up the glen, ? in connexion with Liffey water-scheme.

Swept in three places as follows:—

1 = upper part of glen, above main avenue to Knockmaroon gate & below septic tank & house

2 = N. edge of glen on level of plateau, at opening between S. avenue & boundary wall.

3 = stream side & swamp in bed of glen below S. avenue & between that & boundary wall, just below /E/ 2.

[19 from 1, 5 from 2 & 4 from 3 kept & these labelled 21/12/1940. AWS]

10.5.39 contd. Furry Glen, Dub. contd.

[illegible] not looked for & no sawflies swept: hawthorn just coming out, [illegible] trees out.

Some common ichs. swept but not kept! The following, however, were kept.

Pezomachus? wingless ♂ at 1, with [illegible] [illegible], [illegible] surface to petiole = Conformis ♂ Brischke?

Hemiteles 1 tiny ♂, hardly 2 mm long, with [illegible] at 1.

Pimpla detrita? 1♀ at 1.

Zootrephes [illegible]? 1♂ at 3.

Campoplex 1 at 1: red sp.

Meteorus ?obscurus?? 1♂ by stream at 1

Euphorus pallipes 1: not kept. Blacus ruficornis 1♀ at 1.

Alloea contracta ♂♂ at 1 & 2.

Aspilota nigrescens 2♂♂ at 1, & 1♂ at 3.

A. rufipes? 1♂, 19 seg. ant. at 1.

A. rufipes? 1♀, 17 seg. ant. at 1.

A. vulgaris? 1♂, 23 seg. ant. at 1 & rather large.

Dacnusa [illegible] frequent: 1♂ from 1 kept only

[illegible] [illegible] 1♂, 1♀ at 1, the latter with [illegible] [illegible]

Proctos.: 4 at 1, 3 at 2, & 2 at 3

=

P.T.O.

148.

10.5.39 cont. Fairy Glen, Dub., cont.

Garden, Harolds Cross, Dub. 10.5.1939.
Bracon [illegible] 3 ♂♂

St Anne's, Clontarf, Dub., E.O'M. 11.5.1939.
[illegible] 1♀, Homotropus pictus 1♂, [illegible] axillaris ♂♀
Megastylus cruentator 1♀, [illegible]? 1♀
[illegible] areolator? 7, not known, ~~[illegible]~~ 1♂, D. evadne 1♂

13th May 1939. Swifts arrived in evening at 14 Clareville Rd., Dub. An unprecedentedly late date! Several reports from various suburbs a few days earlier, but our local birds did not come till this evening, which was warm & muggy, after a [illegible] forenoon [illegible] day.

16th May 1939. 7 PM. Garden, 14 Clareville Rd Dub.
Pteronidea ribesii 1♀ on Red Currant leaf
Pamphilius flaviventris 1♂ [illegible]? 1♂
[illegible] 1♂, [illegible]

149.

17th May 1939. A day of strong cold NE wind with much bright sun in afternoon, after a cold night & cold dull forenoon.
In afternoon rode to Glenasmole & collected in three places, but insects very scarce & no wonder.

Glenasmole, Dub. 3.30 till 6.30 P.M.
1 = West side of lower reservoir & under trees between Moore's house & footbridge.
2 = Willow glade opposite Moore's & above upper end of lower reservoir, as usual
3 = under trees, etc. at both sides of ford, especially between river & Moore's.
[6 from 1, 18 from 2 & 2 from 3, + 3 sawflies probably from 2, left]
Bombus lucorum 1♀ & B. terrestris several ♀♀ only seen.
Andrena albicans 1♂ 2♀ only at 2.
Vespa vulgaris 1♀ seen, at 2
Andrena lucida? 1♀. 1st [illegible] of year! at 2 (netted)

Rhogogaster aucupariae }
Dolerus nigratus 1♂ } ? all at 2
D. liogaster 1 [illegible], nice ♀ }
Empria 1♀ at 2.

17th May '39 cont. Glenasmole, Du. cont.

Helictes 1♂ at 1

Genus ? of ? : black ♂, yellow-marked face, 25–30 [illegible], [illegible]
by short areole veins, thorax like [illegible] [illegible]
but head not cubical : = [illegible] of Stenomacrus 21.5.39 →

Stenomacrus [illegible] [illegible] ♀♀ at 1 & 3; none left

St. [illegible] ? 1♂ at 3, dark legs, [illegible], [illegible]

St. of [illegible] [illegible] ? 1♂ at 2, pale legs & face, [illegible] [illegible] [illegible]

[illegible] ♀ at 2 = Campoplex ?

Cynipidae 1♂ at 2.

Eupteromalus fasciatus ? : 2 (1♂, 1♀) at 2, [illegible] [illegible], [illegible].

Aspilota [illegible] ?? 1♂ at 1, [illegible] [illegible]

Aspilota bicarinata sp.n.? 1♀ at 3. Type! [illegible] long [illegible], [illegible] from base to apex, [illegible] short: [illegible]. 25.12.1940

Pentapleura 1♀ at 2

Phaenocarpa [illegible] [illegible] 3♂♂, 1♀ at 3, [illegible]

Dacnusa [illegible] 1♂ at 2

17.5.39 cont. Glenasmole, Du. cont.

Dacnusa [illegible] 1♂ at 3.

D. [illegible] [illegible]

D. areolaris, D. maculipes & D. [illegible] 1♂ left at 3, and

D. [illegible] 1♀ at 2, all new.

Aphidiidae [illegible] at 2.

Proctos. 2 at 1 + 1 at 2 : —

Diptera 1 at 2 =

20.5.39. Taken by E. O'Mahony St Anne's, Clontarf, Du.	
Stenomacrus	1♂
Orthocentrus ??	1♀
20.5.39. Garden, 14 Claremont Rd. Harold's Cross, Dublin. P.M.	
Sawfly 1♂	
[illegible] [illegible] ♂	
Bracon [illegible]	1♂

17th May 1939. 2.0 till 2.30 P.M.

Garden, 14 Claremont Rd, Harold's Cross, Du.

Bombus lucorum ♀ [illegible] from Brassica flowers.

Odynerus ♀ ♂. One seen on Red Currant bush but head on & not identified

Pimpla [illegible], 1♂ at [illegible] very small.

Trypetid diptera : =

17.5.39 St Anne's, Clontarf, Du. E. O'Mahony.

Glypta scalaris ? 1♀. Hemiteles, pallipes, 1♀

Meteorus chrysophthalmus, a fine ♀.

21st May 1939. A cumulus day, but fine on whole. Early morning very fine, forenoon very threatening, [illegible], after an drizzly with rain at noon. Then very little [illegible] rest of day. Wind light SW. After rather cool, [illegible] night.

Glenasmole, Dublin. 11.30 till 2 P.M.

Almost all collected below lower dam on right bank of river, where 20 or so years ago a big slip occurred & caused much wet ground. This slip now covered with young birch, alder & willow on top & great wet ground. A few minutes collecting in 2nd swamp on E side of lower reservoir in afternoon, where we went to try to find Cephalanthera ensifolia, but failed. The place must changed in [illegible] may be drier & difficult to recognise the exact spot. [All specimens kept & those labelled 27/12/40 AWS.]

Bombus lucorum & B. agrorum ♀♀, ♂♂ & few more.

Vespa vulgaris & austriaca ♀♀ seen.

[Except Bombus & Dragonflies no other aculeates seen all day, but not looked for]

21.5.39 cont. Glenasmole, Dublin, cont.

Dragonflies: [illegible] off brood, [illegible], 30♂♂, 27♀♀ (? pairs ?)

= [illegible] 1♂, 1♀

do [illegible] 30♂♂, 1♀

Dolerus [illegible] 1♂

Loderus vestigialis ♂♀ pinned

Tenthredella [illegible] ♀.

Allantus ? 1♀, with curious compressed apical segment of antennae, otherwise rather like [illegible] =

Empria baltica 1♂.

? [illegible] ♂ [illegible] 1st 1936.

Euura 28♂♂, 29♀♀ at willows.

Trichiocampus ulmi ? 1♂

T. sp. ? 1♂

Leptocryptus claripennis 1♂. not kept.

L. cf. tenerrimus 1♂

Hemiteles 1♂, with short neuration, [illegible] apical ½ of [illegible] nearly free of same, [illegible] quite distinct, [illegible] Stenomacrus =

Smicroplectrus bohemani 2♂♂, at willows.

Mesoleius ?? sp. ? 1♀: of the ♂ taken in Glenasmole on 17/5/39 (station 2')

21.5.39 cont. Glenasmole, Dub. cont.
Promethes cognatus 1♂, 2♀♀.
♂ [illegible] 1♂ + 1♀(?)

Homocidus pectoralis ♂ & ♀.
H. longiventris?: a wretched little ♂ with
scarcely any pale markings on scutellum,
though everywhere else pale colour predominates.

Mesoleius 1♂, 1♀ =
Phobocampa [illegible] 1♀, small.

[illegible] [illegible] [illegible] 1♂
[illegible] [illegible] 1♂, not kept
Aptesis sp. ♂ not kept
[illegible] [illegible] [illegible] 1♀ (? [illegible]), small, with [illegible] seg. ant.

Phaeocampa [illegible] 1♀ not kept
Adelognathus [illegible] 1♂, not kept
[illegible] [illegible] 1♂.
[illegible] ♂ not kept
A (Syrphid?) [illegible]? 1♂, not kept.

21.5.39 cont. Glenasmole, Dub. cont.
Dacnusa areolaris? & longiventris, ♂ not kept
D. [illegible] 1♂, 1♀ not kept.
D. [illegible] a small ♂, [illegible]
D. [illegible] ♂(?), [illegible], with 35-seg. ant.

Aphidius [illegible]? 1♀ with 17 seg. ant. [illegible]
[illegible] [illegible] [illegible] 40.12.1940
Bracon ♂ not kept.

Proctos. 5 =

[illegible]. very small, with [illegible] antennae.

---

22. 5. 1939. A most perfect summer day,
with very hot sun all day, although the B.B.C.
weather report at 9 P.M. on 21st could hardly
have been more pessimistic.
At 5.30 P.M. I took a ♂ Crabro [illegible]
in garden, the Glenville Rd., Dub. I saw a
♂ Chrysis ignita on board post.
[illegible] [illegible]
I saw several ♂ [illegible] [illegible] at ivy on
Ellis's wall: saw a [illegible] on 16th May [illegible] in south.

23rd May 1939. The second of two very hot sunny days, but unlike 22nd there is a very strong N.W. wind today. At 5.30 saw several Bruchus rufimanus ♂♂ in front garden (see 17th June 1939).
Garden, 4 Glenville Rd., Harold's Cross, DU.

Bruchus rufimanus several ♂♂
[illegible] [illegible] ♀♀ at [illegible], [illegible] seen several times during last couple of weeks.
Nematus fuscipennis ♂♂ "induced" of Alder tree.

24th May 1939. Dull, with very cold draught until 2 P.M. or later, which left the open ground far too cold to sweep; after two very hot days. Very few insects swept under trees, but mainly common species.
Slade of Saggart, Du. by tram 2.45 to 5.0 P.M.
1 = entrance, open, right bank, of glen & tributary glen from Crooksling
2 = right bank at foot slide (below sandpit) & left bank on "plateau" all the way down ? old road under trees.

24.5.39. Slade of Saggart, Du. contd.
3. = by stream & under trees, or along old road, left bank, near foot of the Slade.
[32 from 1, 41 from 2 & 11 from 3 kept. those from 1 & 3 are labelled, but those from 2 merely Saggard
A.W.S. 30.12.1940]
[illegible] [illegible] & [illegible] — ♀♀ seen in the open
Vespa: several ♀♀ seen, probably all vulgaris.
Cratichneumon ♂♂: none kept.
Cratocryptus: 1♀ at 3.
Hemiteles, Phygadeuon & other Cryptinae: many ♂♂ & some ♀♀ but few kept: as follows:
Hemiteles 1♂ at 3

Cryptus 1 red ♂ at 2.
Atractodes [illegible] ? several taken, none kept.
Pezomachus ♂ at 3; no ♀ seen.

Perilissus filicornis several ♂♂ none kept.
Mesoleius (none kept!)
Promethes sulcator 1 fine ♀ at 1.
Homocidus flavolineatus? 1♀ at 3 var. with black coxae ??
[illegible] 1 ♂ at 2. [very indistinct [illegible] A.W.S. 30.xii.1940]
Polyblastus 1♂ at 2.

24/5/39 cont. State of [illegible], [illegible] cont.
[illegible] (none kept)

[illegible] ? 1 [illegible], large ♀ at 2, [illegible]
[illegible] ♂♂ & ♀♀ abundant
[illegible] 1♂ 1♀ at 1 [illegible] [illegible]
with [illegible]
[illegible] ? 1♀ [illegible] [illegible] [illegible]

[No [illegible] seen!]
[illegible] ♂♂ : 1♂ from 2 kept
[illegible] ? 1♂ from 3.

[illegible] ♂♂ ; [illegible]
[illegible] ? 1♀, [illegible] & long [illegible]
=

[illegible] ♀ at 1. [illegible], [illegible] long [illegible]
[illegible]
[illegible] ♂♂ & 1♀ : 1♂ 1♀ from 1 & 1♂ from 2 kept.
[illegible] 1 [illegible] ♀, [illegible] at 2
[illegible] ? 1♀ [illegible] at 2.
[illegible]

[illegible] at 2 [illegible] place
to get the [illegible]

24. 5. 39 cont. State of [illegible], [illegible] cont.
[[illegible] ? 1♀ : none kept. [illegible]]
[No [illegible]!] [illegible] at 2.
[illegible] ? 1♂ 1♀ : 1♂ kept. [illegible] 1♀ 1
[illegible] florella 1♂ 3♀, C. [illegible] 1♀ at 2.
[illegible] 4♂♂ at 2

[illegible] ♂♂ common, ♀♀ rare : kept [illegible] ♂♂ [illegible] ♀♀ from 1, 6♂♂ [illegible] ♀♀ from 2, [illegible]
= A. [illegible] 3♂♂ from 2, + 1♀ from 1. A. [illegible] 1 [illegible] at 2. A. [illegible] 1 from 2, [illegible] at 2.
A. [illegible] ? 1♂, 1♀ at 2. [illegible] } A. [illegible] 1♂ at 2, [illegible] } A. [illegible] 1♂ at 2, [illegible]
A. [illegible] ? 1 [illegible] ♀ at 1, 15 [illegible]. A. [illegible] ? [illegible] at 2, [illegible]
A. [illegible] ? 1♀, at 1, [illegible] [illegible]
[illegible]
D. [illegible] common } D. [illegible] ♂♂ : 1♀ kept from 2.
D. [illegible] 1♂ [illegible] ~~[illegible]~~. D. [illegible]
D. [illegible] 1 (♂ or ♀ ?) with [illegible], at 1.

[illegible] 1♀ : [illegible] kept.
Many [illegible]
[illegible] frequent : kept 1 from 1, 13 from 2 & 5 from 3
=

P. T. O.

24.5.39 cont. Slade of Saggart, Dub., cont.
(Bracon. cont.)

[illegible] set 1 =

28th May 1939. Garden, Harold's Cross, Dub.
Vespa austriaca 1 ♀, very fine specimen
Clistopyga sauberi Brauns, 1 ♂
NB This is common in the garden but hitherto regarded as a dark form of C. incitator
Homocidus "dubitator" 1 ♂

28.5.39 St. Anne's, Clontarf, Co. Dub. EOM.
[illegible] ephippium "1 ♀ taken on a log with ants" by E. O'Mahony.

Ballycastle Trip 1939. All Co AM.

30th May 1939. The third very hot sunny day in succession.
Left Dublin by G.N. train & reached Ballycastle at 2.18 PM. Lodged at Mrs Johnston, "Glenmanor", (formerly the [illegible] house of Frank [illegible]).
In afternoon did some sweeping along coast between Bath Lodge & Carrickmore, and also the road & [illegible] road & [illegible], Co AM.
Bombus lucorum & agrorum, ♀♀, ♂♀ seen
Andrena fucata 1 ♂ on Veronica chamaedrys
[The following 17 specimens taken from "stores", [illegible] & set in Jan 1941 "AWS"]
Empria pumila 1 ♂, 1 ♀.
Earinus [illegible] 1 ♂. [illegible] 2 ♀♀
[illegible] 3 ♂♂
[illegible] 1 ♀ Opius [illegible] [illegible]

Dacnusa [illegible] 1 ♂, dark form (apicidae)
Dolerus aeneus 2 ♂♂. Ledum? palustre 1 ♀ – [illegible] 1 ♂
[illegible] 1 ♀. [illegible] Andrena fucata]

30th May 39 P.M.
In evening, spent an hour or more at the Holiday Fellowship guesthouse, "Corrymeela", on cliffs beyond Bath Lodge, but did not collect. with Alec Davison of B.N.F.C. [illegible].

31st May 1939. Went in mail boat to Rathlin arriving about noon & stayed till 5.30 P.M. Collected, mainly by sweeping, along following route:- Church Bay, Kinramer, the south along coast, round the Lake, Ally Lough & Ushet Lough (Sands) & back by road. After tea spent a few minutes above Gage's house at Church Bay. Weather very hot, with keen breeze & sea fog from NE.

Bombus lucorum ♀♀ frequent.
B. jonellus 1 ♀ taken
B. muscorum v. pallidus 1 ♀ taken, others seen by M. & S.
B. agrorum Common, but ♀♀ only.
B. lapidarius 1 ♀ on Bluebell, the only specimen seen during the week.

31.5.39 contd Rathlin Island AN. contd
Halictus albipes 1 ♀ taken, also others of this or other small species, mainly by [illegible], [illegible] by me [illegible] burrows in stony [illegible], [illegible] took a small [illegible].

Dragon-fly =
Enallagma cyathigerum at stream outlet of Lake No 1

Dolerus aeneus 1 ♀.
Tenthredo [illegible] 1 ♂.
Allantus pallipes 1 ♀
Pteronidea myosotidis 1 ♂
Barichneumon ? 1 ♂.
Phygadeuon ?? 1 ♂ Bassus ? 1 ♀
Hemiteles ? 1 ♂ [illegible] do ? 1 ♂.
[illegible] ? small, almost black ♂
Promethes pulchellus 1♂, 1♀ P. cognatus 2 ♀♀
Stenomacrus cf cylindricus 1♂, 35 [illegible]. St. cf merula 1♂, 26-[illegible]
Angitia ? Hadrodactylus 1♂ Orthocentrus [illegible] ? 1♀
Diaparsus ? 1♂, 27 [illegible]
Bracon epitriptus 1♀, 29 [illegible]. Rhogas circumscriptus 3♂ [illegible] 26, 28 & 34 [illegible]
Earinus 1♂, 34 [illegible]. Euphorus pallipes ? 1♂
Perilitus 1♀, 19 [illegible].
Dacnusa rapidis 1♀, 32 [illegible], very small [illegible]

No [illegible] of the [illegible] from 1927 II [illegible] 1928

31.5.39 [illegible] Rathlin Island, AN, [illegible]

Bracon [illegible] ? 1♂ 36-seg ant

Aspilota (Synaldis) [illegible] 1♂ 21-seg ant, [illegible]

Dacnusa 1♀ of [illegible] group, with [illegible] legs, [illegible] apices to hind tibiae, faint trace of [illegible]; 25-seg antennae, broken [illegible] in [illegible], but probably [illegible] [illegible] in [illegible].

Dacnusa affinis? 6 small ♂♂ [illegible] with 28-seg ant

Dacnusa sp. n. near [illegible]: 1♂, 1♀, with 25 & 23-seg ant in hollow (bracket) between [illegible] & [illegible] [illegible] in [illegible] [illegible] [illegible], [illegible] 1936

Chaenusa conjungens 1♂

Coelinius 1♂, 21-seg ant. [illegible] [illegible] [illegible] [illegible] of hollow [illegible] [illegible] [illegible] Dacnusa.

Bracon 1♂, small, dark, 21-seg ant.

Aphaereta 1 very small ♂, 17-seg ant, dark

A. 1 large ♂, 19-seg ant, very dark legs

31.5.39 PM. Glenshesk, Co. AN.

Alder trees by stream 1 mile up Glenshesk, Co. AN

[11 specimens only kept: these labelled 23/4/4 ?] 8 PM.

Dolerus aeneus 1♀ : not kept.

Hemiteles ? 1 not ♂

Promethes sulcator ♂ : not kept.

Homocidus dimidiatus ♂ & ♀ : not kept.

Aspilota [illegible] 1 [illegible] ♂ 19-seg. ant. [illegible]

A. vulgaris ? 1♂, 1♀, with 22 & 19-seg ant [illegible]

Phaenocarpa picinervis 1♀.

Pentapleura pumilio 2 ♀♀ : not kept.

Dacnusa [illegible], 1♀ kept, D. [illegible] common, none kept.

D. [illegible] ♂ & small ♀ 5?-seg. ant ; [illegible] antennae

Chaenusa conjungens 1♀

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

3 ♂♂ kept.

1st June 1939. Another cloudless day, bright, with cool breeze off coast.

Driven by A.H. Davison, via Ballymena, to Skerry Lowry & Agnew's Hill, thence over the new road across the Star Bog to Glenarm & home to Ballycastle by Cushendall & Glendun. The object of trip was to look up the plants of Arctostaphylos uva-ursi on Skerry Lowry & Agnew's Hill. That on Skerry Lowry is certainly gone now, though still there in 1920 & the ledge is occupied by Erica & Calluna. Sculptor →

That on Agnew's Hill may still be there but the vegetation of the cliff seemed vastly diminished (? owing to sheep grazing) & the path up to the ledge had been carried away. From below it was quite impossible to be sure if the plant survived or not, though Vaccinium vitis-idaea could be seen growing there, still abundantly. The plant grew on S. side of a gully about the middle of the cliff, between the two ○ plantations of conifers below same, & is marked by an abundant growth of Populus tremula.

1.6.39 contd.

Only collected at Skerry Lowry & there almost entirely by sweeping under trees of shelter belt which runs from the new road (Ballymena — Larne) to the Glenravel river.

Skerry Lowry & Glenravel, Co. AN.

[15 specimens taken from stores & mtd. only these labelled 1940 A.W.S.] 11.30 till 1.30.

Nomada "rufipes" ♀♀ seen by path to Skerry Lowry. — one ♀ taken & staff.
= rufipes ♀ by hist, 1940. AWS

Tenthredopsis nassata 1 black ♂

Empria klugii 1 ♀

Pachynematus 1 ♂

Cimbex 1 ♀

Stenichneumon culpator 1 black ♀

Zootrephus impiceus 1 ♂ 1 ♀.

Pristiphora pumilio

1.6.39 [illegible], C. AN, cont.
[illegible] sp. n. 2 ♂♂, [illegible] long antennae
[illegible] ♀, ? ♀ [illegible]

[illegible] [illegible] 1 ♂, [illegible]
[illegible] ? 1 ♀, [illegible]

Beetle: 1 small "Staph" =

1.6.39 P.M. Walked along coast but did not collect

2.6.39 A.M. A few insects collected on golf Links at Ballycastle, AN, at 10 A.M.

Myrmica scabrinodis ♀

[illegible] [illegible] ? 1 ♂, 2 ♀♀, [illegible]
the ♂ 1 ♀ long some [illegible] beneath antennae [illegible]

2nd June 1939 Driven by A H Davies to top above Ruskin, Murlough Bay, C. AN, then spent day. Very hot & fair, cloudless, with cool breeze off sea. Very few insects out & sweeping in shade of rocks almost useless, while too hot in open for [illegible] work.

Murlough Bay, AN. [illegible]

Bombus lucorum ♀♀.
B. agrorum ♀♀.
B. muscorum 1 ♀
B. [illegible] 2 ♀♀.
B. jonellus 1 ♀ seen
Andrena fucata ♂
A. jacobi or rosae 1 ♀ seen on hawthorn
[A. subopaca 1 ♀, almost certainly this, seen at back of [illegible]]

Nomada "ruficornis" 1 ♀ = ruficornis of my [illegible], 1937.
N. flavoguttata 1 ♀ seen, 1 another ♀ taken

Pompilus nigerrimus 1 ♂ seen by stream above wood.
Myrmica ruginodis seen: 1 ♀ taken

2 6 39 cont. [illegible] Bay, AN cont

Tenthredella [illegible] 1♂ + 1♀, small. T. atra 1 ♀.

Rhogogaster viridis 1♀.

Dolerus [illegible] [illegible]. D. niger 1♀.

Homocidus elegans 1♂. [illegible] [illegible]

Stenomacrus intermedius 1♂, 30 seg. ant. [illegible]

[illegible]? 1♂.

Cryptus 1♀. [illegible] 1♂

[illegible] [illegible]? 1♂. [illegible] [illegible] 1♂

Microgaster 1♂ + 1♀, with 22 + 22 seg. ant. resp.

Phaenocarpa cf. conspurcator? 1♂ 1♀, with 27 + 24 seg. ant.

Aspilota 8♂♂ + 1♀ = A. sp. near ruficollis, but smaller, blacker, with thinner antennae 1♂, with 24 seg. ant + 1♀ with 21 seg. ant. (Nixon?)

(a 1♂ 24 seg. ant. of nigricornis). A. 1♂, 20-seg. ant. of [illegible], also another ♂ with 19 seg. ant. [illegible] [illegible] [illegible] with darker legs, 18–19 seg. ant. ? same species } A. 1♂, [illegible], [illegible] seg. ant., [illegible] [illegible] [illegible] [illegible] behind [illegible]

A. ruficollis 1♂, 17 seg. ant. A. 1♂ cf. [illegible], 18 seg. ant., but no [illegible]

Dacnusa [illegible] 1♂

D. [illegible] sp. near [illegible], but [illegible] seg., 36 seg. ant., 1♂

Rest: [illegible]!

? beetle.

2 6 39 PM

After tea walked up old road Glenshiel for a couple of miles & swept sides. Got mainly wet. Very interesting [illegible]-leaved [illegible] [illegible] in full flower along roadside, [illegible] [illegible] S. [illegible] [illegible] in road! =

Glenshiel AN 8 till 10 PM.

[[illegible]]

Alloxysta? 1♂

Homocidus? [illegible] [illegible] 1♂.

H. [illegible] 1♂. Orthocentrus 1♂

[illegible]? 1♂, [illegible] seg. ant., [illegible] = Zaplethocornia procurator Gr. ???

Aspilota fulvipes? 1♀ [illegible]

Opius [illegible]? 1♂, 1♀, 22–23 seg. ant. O. [illegible]? 1♂, [illegible]

O. pallipes? 1 [illegible], 38 seg. ant.

Biosteres [illegible]? 1♂, 38 seg. ant.

Phaenocarpa [illegible] 1♂ [illegible]

Ph. [illegible]? 1♂, [illegible]

Aspilota [illegible] 1♂, [illegible] seg. ant., [illegible]

Dacnusa [illegible] & [illegible] [illegible]

D. [illegible] 1♀.

Praon 1♀

Aphidius 1♂

3rd June 1929. Spent day, with A.H. Barrow, in overflow channel between Glenshesk Road & Armoy, at Breen, Co. AN.

An even better day, sun in cloud & hidden from breeze. Insects also numerous!!!

Very good catch sorts, many. bag 8♂.

Collected in woods, & channels about

Breen = 1 labelled ["Breen"!] 26 only mounted & that 30 left on pinning paper

Also by tributary stream, under trees, near Glenshesk Bowen = 2. labelled ["Glenshesk"!]

Bombus agrorum & lucorum, ♀♀, above road

Apathus ♂ at 2.

Andrena lapponica ? 1♂ in wood at 1

Halictus albipes? [tumulorum] 1♀ at holly flowers near 2

Nomada ruficornis 1♀ in wood at 1.

Tenthredella [illegible] ♀ at 1. Blennocampa tenuicornis ? 1♀ at 1

Athalia cordata ; 2♂♂ at 1.

Pontania sp. 2♀♀ at 1

Pristiphora quercus ♂ at 1.

---

3. 6. 29 cont. Breen, A.N., cont.

[illegible] ? 1♀ at 1.

[illegible] ? 1♂ at 2.

[illegible] ? ♀ at 2.

Liège, 16.2.35.

Mon cher Collègue,

J'ai reçu du British Museum 1♂1♀ Coelin. procerus Hal., vérifiés par vous. Cela me paraît être une autre espèce que le circulator var. de la collection Thomson. Malheureusement, ces exemplaires sont collés sur un grand carton, de sorte que les pièces buccales, les mésopleures et les sternites sont cachées. Je vais demander à Monsr. Ferrière la permission de repréparer les ♂, pour pouvoir pousser plus loin mes investigations.

Je vous remercie un peu tard (et je m'en excuse!) pour les Ir. Nat. envoyés, et mon étudiant, Mr. R. Leruth, me prie de vous en exprimer toute sa reconnaissance. Si Mr. Carpenter ne peut vous donner satisfaction pour le travail de 1895, Mr. Leruth serait heureux d'en avoir une copie, ou de recevoir le volume^x pour copier ou prendre des notes lui-même. Dans l'un comme dans l'autre cas, il vous rembourserait volontiers les frais.

Pour ma documentation, les références exactes du travail de Morley (dans The Entomologist "1933) me seraient utiles. D'autre part, pour Haliday, je trouve dans l'Index de W. Horn...

"Hym. Britannica" Fasc. 1: Oxyura, 16 p; Fasc. 2: Alysia, 28 p. Lond. Ballière*.

* faute pour Baillière ?

x en prêt

POST CARD

CARTE POSTALE

K

KODAK

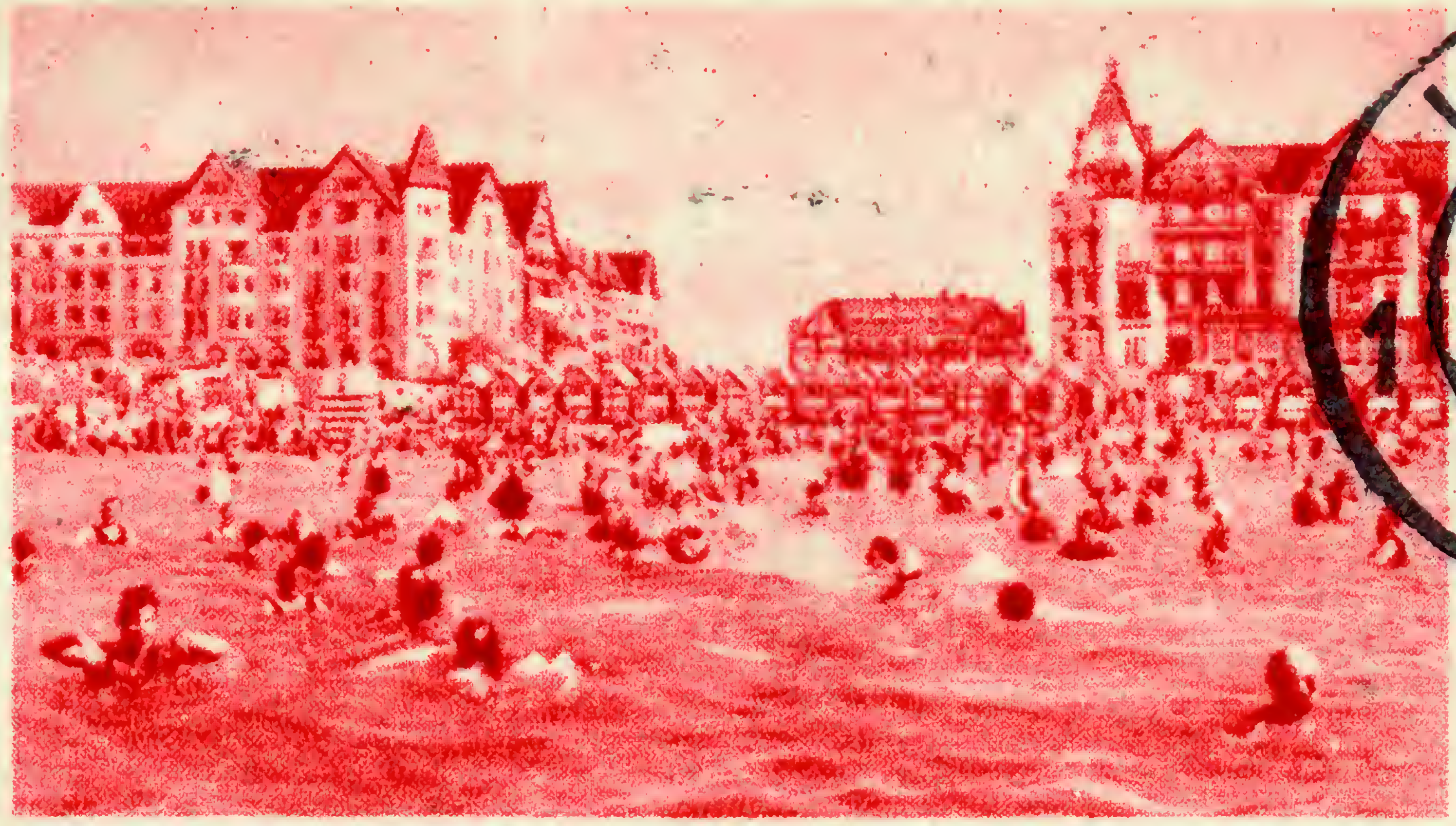
Ben Alligin &
Loch Torridon
from Ben Damph House
woods, Annat.
S. M. S
July 1939.

LIEGE
18-19
16·[illegible]
1935
1 1

MANGEONS DU SUCRE, CAR
LE SUCRE FAIT LA FORCE

CARTE POSTALE
POSTKAART

BELGIË
1F BELGIE 1F



DE-ZOUTE-AAN-ZEE – LE-ZOUTE-SUR-MER

1839. 8 – sehr selten." Je suppose que ces 2 "fasc.„ réunis forment notre „fasc. primus"? alors, W. Horn n'a pas eu connaissance du fasc. alter! Bien à vous.

Paul MARÉCHAL, Profr
48, Rue de Campine, 48
LIÈGE

Maréchal

2e Série – 2de Reeks

Nom et adresse de l'envoyeur ....
Naam en adres van den afzender ....

Monsieur A. W. Stelfox
National Museum of Ireland
Kildare Street
Dublin (Irlande)

Ed J. MALVAUX sa.

Liège, 16.2.35.

Mon cher Collègue,

J'ai reçu du British Museum 1♂1♀ Coelin. procerus Hal. vérifiés par vous. Cela me paraît être une autre espèce que le circulator var. de la collection Thomson. Malheureusement, ces exemplaires sont collés sur un grand carton, de sorte que les pièces buccales, les mésopleures et les sternites sont cachées. Je vais demander à Mons^{r} Ferrière la permission de repréparer le ♂, pour pouvoir pousser plus loin mes investigations.

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Pour ma documentation, les références exactes du travail de Morley (dans "The Entomologist" 1933) me seraient utiles. D'autre part, pour Haliday, je trouve dans l'Index de W. Horn...

"Hym. Britannica" Fasc. 1: Oxyura, 16 p.; Fasc. 2: Alysia, 28 p. Lond. Ballière*,

× en prêt

* faute pour Baillière ?

3rd June 1939. Great day, with H.H. [illegible], in overflow area [illegible] Glenbank Road & Armoy, at Breen, Co. AN.
An even hotter day, with a cloud & hidden from haze. Insects abundant !!!
Very good oak wood, swampy bog &c. Collected in wood, & channel at foot of
Breen = 1 labelled ["Breen"!] 26 only mounted & about 30 left pinned — paper
Also by tributary stream, under trees, near
Glenbank House = 2. labelled ["Glenbank"!]

Bombus agrorum & lucorum, ♀♀, above seen.
Aphelopus ♂ at 2.
Andrena lapponica? 1♂♂ in wood at 1
Halictus {tumulorum / albipes}? 1♀ at holly flowers near in
Nomada ruficornis, 1♀ in wood at 1.
Pemphredon lethifer ♀ at 1. Blennocampa tenuicornis? 1♀ at 1.
Athalia cordata? 2♂♂ at 1.
Pontania sp. 2♀♀. at 1

Pristiphora quercus ♂ at 1.

3.6.39 cont. Breen, AN, cont.

Atractodes gilvipes? 1♀ at 1.
Eu[illegible] ? 1♂ at 2.
Acrodactyla degener 1♀ at 1.
Phytodietus 1♂ at 1.

Polyblastus carbonarius? at 1, ♂(?)

Mesoleius ? 2♂♂, with 28.v.39 - my cat. at 1
Do ? 1 red ♂ at 1.
Promethes sulcator ♂ at 1
Homotropus cinctus at 1, 1♂.

Zoophthorus suspiciosus? 1♂ at 2

Allomacrus pinipleuris. 3♂♂ at 1.

Proclitus mesoxanthus ? ♀ at 2.

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3.6.39 cont. Breen & Glenshesk-Road cont., AN

Sigalphus cf. [illegible]? ♂ at 2, 25-seg. ant.

Euphorus pallipes? at 1 ♀, with 27-seg. ant., & radius not so curved as usual, but straight towards apex!

Aspilota (Synaldis) concolor 1♀, ant. 17-seg.
Aspilota [illegible], 18-seg. ♀ at 2, ant. 18-seg.
Adelurus flaviventris ♀ at 2, 24-seg. ant.
Phaenocarpa conspurcator ♂ at 2, ant. 27-seg.

Opius [illegible] 1 ♂ at 1

Diospilus [illegible] ♂ at 1.

Alloea contracta ♀ at 1. Aspilota [illegible]? 1♀ at 1.5 [illegible] [illegible]

[illegible] at 1.

Dacnusa [illegible] 1♂ at 1, D. affinis 1♂ at 1.

[illegible] [illegible] ♂♂ at 1. Chaenusa conjungens ♂♂ at 1

[illegible] 1♂ 1♀
at 2, with 33 & 30-seg. ant.

[illegible] [illegible] 1♂ at 2 with 29-seg. [illegible] ant., but almost black abdomen

[illegible] longiradialis ♂ at 2, ant. 22-seg.

Coelinius [illegible]? ♂ at 2, ant. 46.

C. gracilis? ♂ at 2, ant. 49.

Proctos. ♂ 1 =

Weevils: 2 small black.

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3.6.39 P.M.
After tea walked along coast towards Fair Head & swept a few minutes about Carrickmore till 10 P.M.
Coast about Carrickmore, Fair Head, AN.
[About 20 specimens taken but only 2 mounted & rest in store?]

Opius [illegible] [illegible]? 2 ♂♂, with 21-seg. ant.

3.6.39 cont. [illegible]
Taken at 9 A.M. in front garden at "Bonamargy", Ballycastle, AN
Bracon sp.? (sp. n.?), 1♀ [illegible] [illegible] in all with [illegible] [illegible] but abd. [illegible] black & [illegible] as long as body. [illegible]

4th June 1939 [illegible] Sunday.
In forenoon swept in shade along Carey River at c 1/2 mile above [illegible] Abbey 11.45 – 12.30.
In afternoon spent time in shade of cliffs near [illegible] Lodge & did not collect.
In evening swept by river mainly on left bank of Carey River 1 mile above Abbey & under trees in ~~[illegible]~~ wood on right bank near same place, where footbridge is.

8.45 – PM
[only 30 mtd. & these labelled 9/12/41; about 40 still in paper! ANS]

11 till 12.30 "AM". Carey River, C. AN.
Pachyprotasis rapae ♂
Rhogogaster aucupariae ♀
Athalia lineolata? ♂. Pontania sp.? 2 ♀♀
[illegible] dispar? 1♂ Pachynematus vagus 1♀.
[illegible] [illegible] 1♂
Stilpnus gagates ♀
Bassus "laetatorius" Promethes [illegible] ? ♂ Homocidus signatorius ♀
Perilissus filicornis? Stenomacrus intermedius? 2♂♂.

4.6.39, AM cont. Carey River, AN, cont.
[illegible] braconius ♀. Rhyssalus clavator ♂ [illegible] ♀.
Microgaster globata ♂ Euphorus pallipes 2♂.

Opius irregularis ♂; with 36-seg. O. [illegible] ♂, ant 31-seg.
Centeterus fuliginosus 1 large ♂, with 30-seg. ant. & darkened wings.
Pentapleura pumilio ♂ Aphaereta tenuicornis.
Phaenocarpa picinervis ♂ Ph. ruficeps ♀♀ Ph. conspurcator ♀
Ph. flavipes var. 3 Hal 1♀.
Aspilota (Orthostigma) maculipes Hal. 1♀, with long radial cell & 19-seg ant.
Dacnusa affinis ♂ D. cyclops 1♂. D. senilis 1♂, 2♀♀.
D. elegans 1♂. D. stramineipes 1 typical & 1 black-bodied ♀, 28-seg red ant.
D. pubescens 1 large ♂, 26-seg. ant.
Procto. 2 =

4.6.39 cont. 8.45-10 PM Carey River, C. AN

[Only 27 mounted & [illegible] not (19) in store: those mounted labelled 13/12/41.]

?Hemiteles ♂
[illegible] ♀
Stenomacrus [illegible] 1♀; not mounted
St. curvicaudatus 1♀: freshly hatched & immature.

Mesochorus, [illegible], 2♂♂: not mounted

[illegible] 1♂.

4. 6. 39 cont. Carey River, AN., cont.
P.M. Rhogas tristis 2 ♂♂.
Opius irregularis 1 ♀, not std. O. [illegible] 1 ♂
O. exilis ?? 1 small ♂, 23-seg. ant. O. pendulus 1 ♀, 19-seg. ant.
Biosteres carbonarius Hal. 1 ♀ (NB. mandible partly open).
Aphaereta tenuicornis 1 ♀.
Phaenocarpa conspurcator ♂♂ & ♀♀, not std.
Pentapleura angustula ♀, not std.
Aspilota (all not std.) 2 ♀♀ & 7 ♂♂ =
A. sylvatica with a typical ♀, with 22-seg. ant.
A. [illegible] with one ♂, 18-seg. ant., yellowish wings, straight radius
A. [illegible]? 4 ♂♂, 18, 19, 19 & 20-seg. ant., quite hyaline wings, curved radius.
A. (Synaldis) concolor? 1 small ♂, 19 seg. ant.
A. [illegible] 1 ♂, 1 ♀, with 21 & 18 seg. ant.
Dacnusa adducta 1 [illegible].
D. [illegible] 1 ♂ not std.
D. [illegible]: a very small ♂, 21-seg. ant.
Proctos. 2.
Sawflies: Dolerus dubius a magnificent ♀ in marsh on left bank.
Dolerus aeneus ♂
Empria balteata ♂
[illegible] ? 1 ♂.

5th June 1939. Another cloudless day!
Mr. Johnston drove me to Loughareema & picked me up at Glendun viaduct at 4.30 P.M.
Worked from the Lough, [illegible], across bog to south & down old wood in Clady Burn to Craigagh Wood, then to viaduct.
Glendun, Co. AN. 11.0 AM – 4.30 P.M.
Bog on plateau S. of Loughareema = 1.
Glen of Clady Burn = 2.
Craigagh Wood = 3.

NB Specimens from 1, 2 & 3 not separated. [illegible] 37 [illegible] in Nov. '57 mounted & thus labelled "Glendun". ANS. 23/12/41.

Diptera. Melanostoma mellinum ♂ & ♀♀ [illegible].
Bombus lucorum & agrorum ♀♀ frequent.
B. jonellus 1 ♀ on Garlic flowers in wood at 3.
Gorytes mystaceus ♂ & ♀ at 2.
Andrena 2 ♀♀. Tenthredo arcuata ♂.
Rhogogaster [illegible] ♂. Tenthredopsis nassata [illegible]
[illegible] ♂ & ♀. [illegible] ♂.
Empria immersa ♂. [illegible] ♀ Trichiocampus [illegible]? ♀
([illegible])
[illegible] ♂. [illegible] ? [illegible] ♂.
[illegible] ♂♂. Stilpnus gagates (not std.)
Pimpla holthoffi ♀. [illegible] 3 ♀♀
[illegible] 4 ♂♂. [illegible]
Gen. & sp.? [illegible]
=

5.6.39 cont. Glendun, Co AN cont.
Orthocentrus fulvipes 1♀, also a ♂ ? [illegible]
Stenomacrus ♀ Promethes pulchellus ♂ (ent. nts.)
Homocidus [illegible] ♀. [illegible] ♀, red var.
[illegible] [illegible] 1♂ + 2♀ (ent. nts.)
& several other spp. (ent. nts.) =
Allomacrus pimplarius ♀. [illegible] ♂♂ (ent. nts.) [illegible] ♂
[illegible] ? 2 ♂♂.
Microgaster globatus ? ♂, rather dark form
[illegible] ♂. [illegible] ♀ (ent. nts.)
[illegible] ♂. [illegible], male ♀.
[illegible] sp. (12♂♂, 2♀♀) =
G. sp. with ... like radiator but head not wider behind eyes [illegible] ant. 20 seg.
G. vulgaris ? 1♂, 1♀, rather small, ant. 19 & 17 respectively.
G. sp. near vulgaris but larger, 4♂♂ (ant. 23-24), 1♀ (ant. 19).
G. rufipes 1♂, 18 seg ant.
G. sp. like large [illegible], 3♂♂, 20, 21 & 21-seg ant.

G. ([illegible]) concolor 1 small & 1 larger ♂ (ant. 20 & 21).
[illegible] [illegible] ♂. D. pubescens ♂ (ent. nts.)

[illegible] [illegible] ♂. The specimen keys out to [illegible] (1938) diagnosis of [illegible], but the specimen is [illegible] & the [illegible] does not agree with the [illegible].
B.M.S. 23/10/'41.

5.6.39, cont. Glendun, Co. AN. cont.
Proctos. [illegible] (ent. nts.)

5.6.39 P.M. 8-9 PM
Walked along strand to Bath Lodge, Ballycastle, AN.
Took 1♀ Meloboris [illegible] & saw another at sea-edge of dunes, same species as taken in dunes on morning of 2.6.39. Whilst Daisy found a Procto. ( ) running among [illegible] grass, where I also took a beetle ([illegible]) & on return found a drowned ♀ [illegible] [illegible] just washed up by the sea.

6th June 1939. Mr Johnston drove me to top of hill above Torr & we walked down old road to Portaleen Glen, down right bank of same, had lunch on shore at foot, then across [illegible] the base of Torr Head & along coast west of same, up over shoulder of Grianan [illegible] & back to road, where Mr J picked me up at 5 PM. Another quite cloudless day till evening, when a few clouds appeared.

Torr, Co. Antrim. 46 mtd. & labelled 27.12.41. A few not mtd. & in paper. AWS

Portaleen Glen = 1

Sandy cliff, rocks &c between foot of glen & Torr Head = 2.

[Both places gave promise of being very good collecting grounds for aculeates in more favourable weather, as everything seemed too hot & dry.]

Bombus lucorum & pratorum ♀♀ frequent.

B. jonellus 1 ♀

B. hortorum several ♀♀.

Psithyrus distinctus ♀ seen at 2.

6.6.39 cont. Torr, Co. AN, cont.

Andrena wilkella 1 v. fresh ♀ at 2.

A. sp. ? 1♂ on road above 1, very worn but smells strongly of "burnt sugar". Unfortunately not kept, as thought to be fucata in spite of smell.

A. fucata 1♂ taken at 1, with no trace of the "burnt sugar" smell.

A. subopaca 1♀ at 2.

Halictus freygessneri 1♀

Formica fusca 1☿ taken.

Crabro dimidiatus ♂♂ at 1.

Odynerus parietum ♂♂ at 2: [illegible]

Chrysis ignita at 2, with host: not taken.

Pompilus nigerrimus ♂ at 2: not taken.

P. gibbus 1♀ above cliffs, at bank, west of 2.

Anteon 1♂

Pteronidea myosotidis 2♂♂. Pachynematus clitellatus 1♀.

Stenichneumon culpator 1 all black ♀. St. 1♂.

Cratichneumon 1♂

Hemiteles [illegible]? ♀.

Catoglyptus fortipes ♂ & ♀. Perilissus filicornis? ♀.

Mesoleius sp. 1♀ Exochus notatus ♂

Angitia cf. fenestralis? ♀.

6.6.39 cont. Torr, Co. AN cont.
Rhogas nigricornis ♂, 46·ng. cut.
Centeter bucculator 2♂♂. Opius [illegible] ♂
Bracon rusticus? ♂
Apanteles ~~[illegible]~~ of Marsh. [illegible] ♂. A. (Lyalldi) [illegible] 1♂, damaged.
Amaturus [illegible]? ♂
Chaenusa conjungens ♀.

Proctos. 15. =

Left Ballycastle, Co. AN., by 9.45 train & reached Dublin at 5.20 P.M. Did not collect. Another very hot day, but a few clouds. 7th June 1939

8th June 1939 6♂ [illegible] bred from a [illegible] (p. 179) taken at Howth, Du., by E. [illegible], on 2.5.39.

11th June 1939. Garden, the Clareville Rd., Harold's Cross, Dublin.

A showery day, the first rain for a long time, with hot bursts of sun between.
Bombus lucorum several ☿☿
B. hortorum 1 ☿ on Snapdragon.
B. jonellus ☿ seen several times on Rosa canina & R. tomentosa flowers.
B. agrorum 1 very fresh ☿ seen.
Megachile willughbiella 2♂♂ in holes in post
M. centuncularis ♂ in post.
M. versicolor & ligniseca. 1 fresh ♀ at Campanula flowers [also 1 taken & ♂ seen on 9th]
Crabro clavipes 1 very red ♀, the one left; several ♂♂ in post.
C. vagus abundant
C. leucostomus 1 seen.
C. chrysostomus 2 ♂♂ in post holes
Vespa austriaca germanica & vulgaris ♀♀ seen: ? austriaca also in the left.
Hylaeus communis ~~confusus~~ ♂♂ & ♀♀ in post, with left.
Chrysis ignita several in post
Hemisidus fidelis ♂. Pemphredon [illegible] ♀.
Oxybelus [illegible] ♂

For insects taken in Glasnevin on 11.6.39 by F. O'Rourke see p. 189 →

14th June 1939. Warm, with drizzly N. wind, after several cloudy days; no sun.

Drove in afternoon to Glendining near [illegible], to try the car, which I had on the road for the first time since December 1938, when the hard frost of week before Xmas burst the water jacket of engine, which has been replaced by another block got from London.

[32 kept & then labelled 4/1/41. A.W.S]

Glendining C. KD - WI. 3.30 to 5 P.M.

A few insects collected in marsh at NW end & in C. KD., but almost all swept under trees & in [illegible] of plantation in C. WI [illegible]; not [illegible]

[illegible] ♀♀ & [illegible] ♀♀ seen

Tenthredella [illegible]

T. ferruginea 1♀

Pachyprotasis rapae 1♀

in C. WI

Selandria [illegible]? in marsh, C. KD.

14.6.39 cont. Glendining, KD-WI cont.

Glypta femorata? 1♂ small, blackish legs, tufted [illegible]

G. similis? 1♀.

Tryphon signator 1♂ on oak at boundary [illegible] not kept

Homocidus [illegible] & [illegible] 1♂ & 1♀. H. [illegible] 1♂

Promethes sulcator ♂, not kept.

Stenomacrus [illegible] = S. [illegible]? with 32 1♀ [illegible]

Exetastes [illegible] 1♀

[illegible] ♂ [illegible] not kept

Microgaster ♂ not kept

Microctonus [illegible] 1♀ 35 [illegible]

Macrocentrus [illegible]? 1♀ 44 [illegible]

M. [illegible]? 1♀ 32 [illegible]

[illegible] 1♂

[illegible] 1♂

Opius [illegible]? 1♂

Bracon [illegible] 1♂

14.6.39 cont   Glending, KD - WI. cont

Alysia tipulae [illegible] ♀
Pentapleura pumilio ♂♂ ♀♀. frequent. none kept
P. angustula 1♀. not kept.
[illegible] sylvica 1♀ : only 29. seg ant.
Phaenocarpa ruficeps ♂♂ only none kept
Ph. conspurcator ♂♂ & ♀♀ common, some large : 1♀ kept.
Ph. picinervis 1♀ : not kept.
Aphaereta tenuicornis Nixon. 3♀♀ : 2 kept
Orthostigma maculipes 1♀
Aspilota [illegible] [illegible] collected & none kept

Dacnusa [illegible] 2 ♂♂ 1♀, very large.
D. areolaris abundant. D. [illegible] common.
D. [illegible] one or two (1♀ kept). [D. longiradialis not seen!]
D. [illegible] a few : 1♂, 30-seg ant. kept
D. [illegible] 3♀♀ not kept D. adducta 2 ♂♂ & large ♀♀ none kept
D. [illegible] 1♂, 39 seg ant.
D. elegantula 1♀, 27 seg ant

Coelinius [illegible] 1♂, 29- seg ant

14.6.39 cont.   Glending, KD - WI cont.
Aphidiini : a few, none kept :

Proctos : frequent, but only two kept.
=

Diptera : Chilosia albitarsis Mg. ♀.

Taken by Fergus O'Rourke in plantation at lower end of lower reservoir, W side, at Glenasmole, Co. Dn. 11th June 1939.
Homoradus pectoralis :
H. [illegible] 2♀♀.
H. fuscicornis 1♀.

Aphaereta major 1♀.
Dacnusa [illegible] 1♀

18th June 1939. Weather & morning after a couple of unsettled days, heavy rain starting at 10-30 A.M. when a SW-NW gale formed. Therefore drove West to get into NW wind area as soon as possible. Little rain west of Leixlip, but showers later. Drove via Summerhill, Ballivor & Raharney, to Riverdale House, 1 mile S. of Raharney, where collected in plantation & edge of bog for a couple of hours. Flies very tiresome & sweeping hampered by showers on arrival & another later.

Wind very strong, NW., but sheltered fairly.

[48 specimens kept & those labelled 7/1/1941 et seq. A.H.S.]

Riverdale, Co. WH. 1 till 3.30 P.M.

Bombus lucorum & agrorum ♀♀ seen.

Psithyrus distinctus 1♀ seen.

Andrena subopaca? 1♀ by road.

[illegible] 1♂.

Evidently good = 1
Wide & back avenue = 2

Two Tenthredinidae & Athalia of the only saw-flies seen, but many Nematine larvae on Salix cinerea along back avenue of R. House; too young to bring home.

18.6.39 cont. Riverdale, WH. cont.

Amblyteles armatorius 1st ♂ of season at 2.

Hemiteles 1♂

[illegible] 1♂ at 1.

Atractodes 1♀ at 1.

A. 1♂.

Ischnoceros filicornis 3 ♀♀ at small stumps at 1 on left.

Acrodactyla degener 1♀ at 1

[No Pimpla seen!]

Perithous mediator 2♂♂.

Exochus pictus 1 at 1.

Stenomacrus [illegible] at 1; = S. cubiceps.

St. minutus 1♀ at 2

Mesoleius several at 1 & 2

A heavily sculptured, red abd., ♀ at 1

[illegible] ♀ ♂ 1♂ at 1.

Plectiscus [illegible] 1♀ at 1, not left.

Sympiesis [illegible] of 1♀ [illegible] or xanthostoma, but [illegible]

Aperileptus 1♂.

18.6.39 cont. Risingdale, UH, cont.
Rhagio tringarius 1♀.

Sigalphus pallipes ? many ♂♂ on one trunk at 1, a few at 2, 1♀ at 1 but not on same tree as ♂♂.

Meteorus micropterus 1♂ at 1, colour broken.
M. ?ruficeps that 1♀ at 1, but not of Marshall's [illegible] 295 [illegible]
M. fragilis 1♂ at 2
Leptotelus 1♀ black legs, very broken at 1.
microplitis ? [illegible]} ? 1♂ black, brown and legs at 2.

[No Empid, No Blera, No Chrysotoxum seen !]
Aphaereta tenuicornis ~~major~~ 1♂ at 1, 1♂ at 2.
Phaenocarpa conspurcata ♀♀ frequent at 1, not at 2.
Ph. rufipes 1♂ at 1.
Ph. carinata 1♂ at 1, small. Tanycarpa amoena 1♀ (? at 1 or 2)
Adelura sylvia 1 large ♀ at 2
Phaenocarpa pullicornis? 1♂ at 1
Aspilota spp. very scarce only 2♂♂ both at 1: 2♂♂ & 1♀ kept
= A. radialis? 1♂ 20 seg. ant. A. nigra ? 1♂, small, 26 seg. ant.
A. vulgaris ? 1♀, with large head & 18 seg. ant.

18.6.39 cont. Rimsdale, UH cont.
Dacnusa pubescens 2♀♀ at 1.
D. areolaris very common, ♂♂ & ♀♀.
D. maculipes 1♀, at least, at 1
D. laevipectus ♂ 1♀ at 1 kept for [illegible]
D. longiradialis 1♂ at 1 only: not kept.
D. sphenotis 1♂ at 2 only: not kept
D. adducta several ♂♂ at 1 & 2
D. erythrina ♀ 2 ♂♂ at 2
D. crassa 1♂ at 1
D. melanocera 1♂ at 1.
Chorebus lateralis ♀ in [illegible] at 2, amongst Hyperia

Trioxys 1♀ at 2, the only Aphidiid seen.
Proctos. only a few, mostly at 1: 4 kept.
=

Chelonid 1 very small kept.

SCOTTISH TRIP 1939

21st June 1939. Left Dublin by 6.40 train for Belfast, Glasgow & Aviemore.

22nd June 1939. Arrived at Aviemore at 2.33 PM & after cup of tea walked up birch woods N. of Craigellachie & swept birch [illegible] for a couple of hours. A perfect day, cloudless till 2.30 PM, but then cloudy with a slight wet mist, which lasted all night. Wind strong NE-E & cool, but in shelter of hill & birch wood hymenoptera not scarce. [All specimens kept then labelled 10/2/1941 A.W.]

N slope of Craigellachie, Aviemore, E1. =E Inverness
3 till 5 PM

Labelled [Aviemore E1. 22.6.1939]

Bombus lucorum 1♀ only seen
(Cimbex femorata 1♀ on birch
Athalia lineolata? 1♀. Dolerus picipes 1♀
Myrmica ruginodis not kept
Formica fusca seen but not kept
F. rufa abundant all through upper part of wood.
none kept
[illegible] sp.? 1♂, 22 mg. wt.

---

22. 6. 39 cont. Craigellachie, cont.

Orthocentrus radialis Th. 2♀♀, with straight 1st abscissa of radius & quite distinct from my 2nd ♀♀ [illegible] named by Roman with curved 2nd abscissa which must therefore be a [illegible] fulvipes Grav.

Stenomacrus 1♀ which seems to [illegible] of sylvaticus with broad areola ± distinct, but does not agree with description in Schmiedeknecht [illegible] I suspect a hybrid one [illegible] of [illegible]

Omorgus sp. ? 2♀♀, long [illegible], red legs, 30 mg. wt.

[illegible] very [illegible], black, [illegible] tinted, 29 mg. wt. yellow thighs [illegible]

Mesochorus ?, testaceous 1♂

M. sp. ? 1♂, 29 mg. wt. M. sp. [illegible] 26 mg. wt.

Bassus? sp. ? 1♂. [illegible] sp. ? 1♂

[illegible] 1♂ = [illegible] lineata 1♂, 37 mg. wt.

Aspilota 1♀ sp. Sect IV, very [illegible]

G. 3♀♀ = decorus Hal.

Phygadeuon heterogaster Thom. 1♂ with smooth pleura which so far as I can see agrees with (Marshall's) description [illegible] of [illegible]
A.W. 10.2.41

Cubocephalus exterior 1♂

[illegible] sp. ? 1♂, 22 mg. wt. (1♀ [illegible])

[illegible] Hal. 1♀

Gnamptodon pumilio 1♀.

Opius singularis 2♀♀, [illegible] with [illegible], partly due to [illegible] & [illegible]

196

22 6 39 cont. Craigellachie, cont.

[illegible] [illegible] 1♂ + 1♀, all respectively, 26 + 51 mg. wt.

[illegible] ?

[illegible] [illegible] 1♀, with 16 mg. wt.

Oenone [illegible] 1♀

Dacnusa [illegible] ♂, [illegible] 23 mg wt

D. sp. [illegible] 2 ♀♀, with 24 + 29 mg wt [illegible]

[illegible]

Proctos 2

Cynipid 1 =

[illegible] 1 =   [illegible] 2 =

---

gravel flats just above bridge at Inverdruie = 1.
Under trees by main road from Aviemore to Inverdruie & between road & R. Druie &c = 2.

23rd June 1939 After a misty morning, a perfect day, warm, all sunny, & light cold fresh N breeze. George arrived from London at 8.45 AM.

In forenoon walked to Col. Grant's, = Inverdruie! 1 mile SE of Aviemore & did some sweeping along left bank of 'R. Druie where the beautiful gravel flats [illegible] [illegible]. but few seen.

196A

23 6 39 cont. Inverdruie, E1, station 1.
AM

[illegible] 1♀, with [illegible] 11 mg wt.

H. [illegible] 1♂ larger [illegible] 20 mg wt.

Promethes sulcator 1♂

Stenomacrus cf. [illegible] ? ♀ 1♀, with 30 mg wt.

[illegible] [illegible] black ♂ with [illegible] mg wt = B.

[illegible] small [illegible] ♀, with red head & 20 mg wt. = B.

Metopius abdominalis ? 1 small ♀, all almost [illegible] & 24 mg wt.

Bl[illegible] ♂, 19 mg [illegible] [illegible] [illegible] [illegible] [illegible] ? [illegible]

Macrocentrus [illegible] 1♀

Tryphon vulgaris ? 1♂♀. Plectiscus [illegible] ♂, [illegible] mg wt.
20th [illegible] = Omega [illegible]

196B.

23.6.39 cont. Invershie, E1, station 1.
AM.

Opius [illegible] 1♀.

Pentapleura angustula 1♀.

Aphaereta tenuicornis 1♀.

Aspilota fulvipes [illegible] 1 fine ♂, with 24 seg. ant.

Dacnusa eros 1♂, with 37-seg. ant.

D. ovalis [illegible] ♂ with [illegible]-seg. ant.

D. melanocera 1 [illegible] ♀, with 25-31 seg. ant.

D. gibbipes 1♂, 29-seg. ant. D. bellina 1♂, 25 seg. ant.

D. grossa [illegible] 1 fine ♀ with base of 2nd abd. tergite rugulose, ant. 30-segmented & [illegible] recurrent [illegible] (not interstitial as in melanocera!)

D. sp near ovalis 1♂, 32 seg. ant., 2nd abd. seg. red.

D. sp. near elegantula 1♂ (?) 30-seg. ant., with [illegible] smooth depressed V-area between notauli on mid lobe of mesonotum.

Rotor 3 =

gravel flats =1. [illegible] =2.

gravel flats for [illegible]. but few seen.

(197)

23.6.39 cont. R. Druie, near Aviemore
AM.
11 till 12.30 AM. [illegible]

Bombus lucorum ♀♀ & ♀♀ seen.

B. muscorum Two faded ♀♀ seen

See note in margin at foot of p. 196. AWS.

Andrena lanceps 1♀ on gravel flat at 1.

[illegible] ♀ seen at same place.

Crabro dimidiatus ♂♂ at 1.

Vespa spp seen in distance.

[Aphelopus (?melaleucus) 1♂ at 2. placed at end see p. 199 →]

Tenthredo [illegible] ♀

[Tenthredopsis nassata 1♀ near Aviemore Station]

Dolerus [illegible] 2♂♂

Bracon [illegible] ? 1♂

All below & on pp. 198-199 are from 2. Those listed on supplementary leaf 196A & 196B are from station 1

[illegible] sp [illegible] 1♂, with 19 & 28-seg. ant. =

[illegible] ? 2♂♂ & 1♀, with 22, 23 & 19-seg. ant resp. = {

[illegible] ? 1♀. [illegible] ? 1♂, 1♀. [illegible] sp ? [illegible]

[illegible] ? spp 3♂♂, with 21, 24 & 26 seg. ant. = {

[illegible] ? 1♂, 28-seg. ant.

Stenomacrus sp ? near [illegible], 23-seg. ant., [illegible]

St. [illegible] ? 1♂, 28-seg. ant. Orthocentrus [illegible] 1♂, 22 seg. ant.

Promethes laticarpus 2♂♂. P. pulchellus 1♂

Tryphon vulgaris ? 1♂ ♀. [illegible] 1♂, 22 seg. ant.

2♂♂ [illegible] = Omorga +

23. 6. 39 "AM" cont. Inverdruie, El., cont. Station 2.

Rhogas [illegible] 2♂♂ R. [illegible] 1♂.

Apanteles [illegible] (Hal.) 1♂, 2♀♀. A. [illegible] 1♀. A. [illegible] 1♂ 1♂.

Opius [illegible] 1♂ [illegible] 29-seg. ant. O. [illegible] 1♂ 1♀ 25-seg. ant.

O. spinulator 1♂, 2♀♀, 22, 24, 22 seg. ant.

See also p. 219 →

O. [illegible] sp. n. 2♂♂ 1♀ -Type [illegible] & 50, 51 & 50-seg. ant.:
[illegible] Bracon [illegible]

Bracon [illegible] (Hal.!) 2♂♂ B. [illegible] 1♂

Alysia manducator (1♀). Phaenocarpa [illegible] 1 small ♀, 25-seg. ant.

Aspilota [illegible] 1♂, 1♀ with 17 & 16-seg. ant.

A. [illegible] small, 1♂, 1♀ with 28 & 23-seg. ant.

A. n. sp. 1♀, with large head & very short [illegible], near A. [illegible] 20-seg. ant.

A. n. sp.? 1♂, 1♀, near [illegible], with ant. (20 & 19-seg.) longer than [illegible], but legs almost as dark as in [illegible], [illegible] small [illegible].

Dacnusa [illegible] 2 small ♂♂ & 2 [illegible] ♀♀, with 21, 21, 20 & 20 seg. ant.

D. [illegible] ? 2 ♀♀, with [illegible] dark legs, 22-seg. ant.

D. [illegible] 1♂. D. [illegible] 1 small ♂ [illegible]-seg. ant.

D. [illegible]? 2 smaller ♂♂ with 25 & 26 seg. ant. & small [illegible]
& 1 larger ♂ (28-seg. ant.) & 1 large ♀ ([illegible]-seg. ant.) with large [illegible].

Aphidius sp.? 2♂♂, ant. 20 & 21-seg., legs & ant. very black

A. granarius? 1♂, 20-seg. ant. & 1♀, 17-seg. ant., dark legs, [illegible]

Proctos. 22 =

---

23. 6. 39 "AM" cont. Inverdruie, El. cont. Station 2.

Opius [illegible] 1♂

(PM.)

[illegible] up [illegible]

[illegible]

[illegible]

[illegible]

[illegible] Empetrum [illegible]

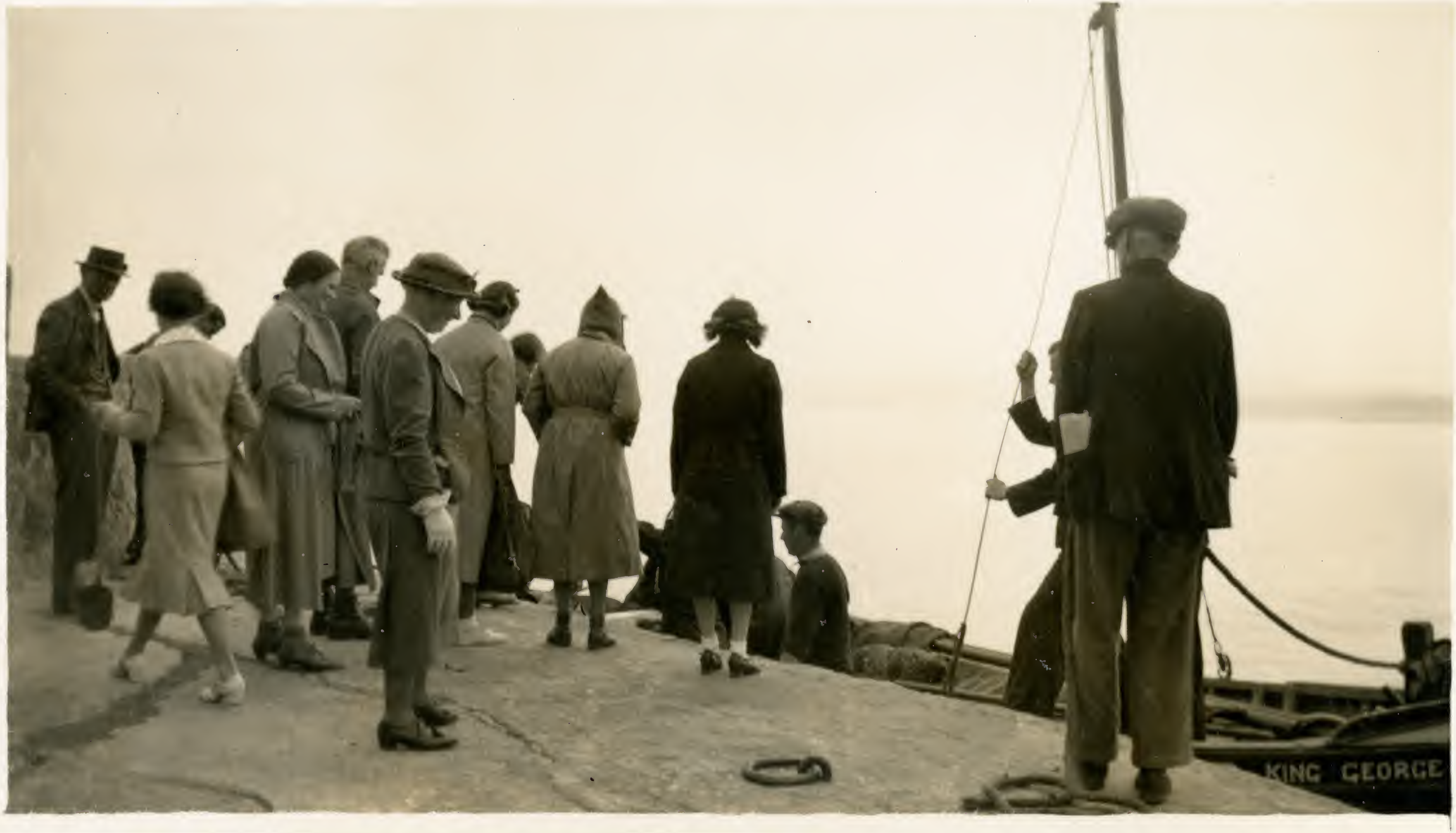
[illegible] in the dry

700 ft.), Tofieldia [illegible]

& [illegible] in [illegible]

ground, [illegible]

[illegible] dry ground [illegible]


KING GEORGE

LM

Ballycastle

Ⓐ A.M.S.

Party embarking at Ballycastle pier for Rathlin, 31.5.39.

A.H.D. Photo.

Velox

Velox

Velox

POST CARD

CARTE POSTALE

K

KODAK

View of Ben Eay
from Mr Donald's garden
"Incharil" where we
stayed.
Photo. G H Steffon
July 1939.

23. 6. 39 AM cont. Inverdruie, El., cont. Station 2.

Rhogas [illegible] 20♂♂ R. [illegible] 1♂.

Apanteles [illegible] Wal. 1♂, 2♀♀. A. [illegible] 1♀. A. [illegible] 1♂.

Opius [illegible] 1♂ with 29-seg. ant. O. [illegible] 1♀ 25-seg. ant.

O. [illegible] 1♂ with 24, 24, 22-seg. ant.

see also p. 219 →

O. [illegible] sp. n. 2♂♂ 1♀ Type! with [illegible] mouth & 50, 51 & 50-seg. ant.: except for elongate 2nd [illegible] to & Biosteres [illegible].

Biosteres carbonarius (Wal.?) 2♂♂ B. impressus 1♂

Alysia manducator (?♀). Phaenocarpa conspurcator 1 small ♀, 20-seg. ant.

Aspilota ruficornis 1♂, 1♀ with 17 & 16-seg. ant.

A. [illegible] small, 1♂ 1♀ with 23 & 23-seg. ant.

A. sp. 1♀, with large head & very short abd., near A. [illegible] 22-seg. ant.

A. n. sp.? 1♂, 1♀, near [illegible], with ant (13 & 19-seg.) longer than body, but legs almost as dark as in [illegible], the ♀ [illegible] small & non elongate.

Dacnusa areolaris 2 small ♂♂ & 2 similar ♀♀, with 21, 21, 20 & 20-seg. ant.

D. [illegible] ? 1♀, with rather dark legs, 22-seg. ant.

D. [illegible] 1♂. D. pubescens 1 small ♂ [illegible]-seg. ant.

D. melanocera? 2 smaller ♂♂, with 25 & 26-seg. ant & [illegible] 1 larger ♂ (28-seg. ant.) & 1 large ♀ (30-seg. ant.) with larger wings.

Aphidius sp.? 2♂♂, ant 20 & 21-seg., legs & ant very black

A. granarius? 1♂, 20-seg. ant. & 1♀, 17-seg. ant., dark legs, &c.

Proctos ?? =

23. 6. 39 AM cont. Inverdruie, El., cont. Station 2.

Chalcidae ? 4 =

Cynipidae ? 2 = Aphelopus serratus ? 1♂

Bethylidae 2 =

23rd June 1939, afternoon (PM.)

Walked across [illegible] up face of [illegible] & on to summit, looked down on Loch [illegible] & home through birch wood (by same track as on previous afternoon). [illegible] and [illegible] very [illegible]. Vaccinium Vitis-idaea very abundant & with heather [illegible] & Empetrum [illegible] form almost the sole vegetation on the dry rocky summit (alt.? 1700 ft.), Tofieldia palustris & Polygonum viviparum by the side [illegible] ground. Trientalis [illegible] on flat boggy [illegible] [illegible] on quite dry ground [illegible]

23.6.39 P.M. cont. Craigellachie, cont.

Thalictrum alpinum by small rocky rill, with Pyrola minor, Trifolium [illegible] & [illegible] Pinguicula vulgaris. Selaginella & Lycopodium Selago both rare & neither of the other Lycopodiums seen at all. Carex pauciflora frequent by marshy path & rill, while C. goodenowii, panicea, pilulifera, binervis, stellulata, ovalis, hornschuchiana, pulicaris, dioica & pallescens also seen, the last quite frequent in the ascent above hotel reservoir. Juniperus communis represented only by a few stunted plants, c foot or less across & almost prostrate.

Geranium sylvaticum [illegible]

No Bombi seen at all. All the insects swept in very dense thicket [illegible] just before rain & after considerable fall in temperature.

Selandria morio 1♀.

Tenthredo rufa[illegible] many, large [illegible] [illegible] with [illegible] & one [illegible] [illegible] of [illegible] with dozens of ♀♀: 3♀♀ kept.

7 [illegible] taken down. [45 specimens kept & these labelled | Aviemore EI. AWS. 23.6.39 PM. | 25/3/41 AWS.]

Myrmica ruginodis " " : 1♀ kept.

Cratichneumon sp. nr. fabricator 1♂.

Hemiteles ? 1♂, 21-seg. short antennae.

23.6.39 PM cont. Craigellachie, cont.

Hemiteles [illegible] Mesoleptus? [illegible] ? 1♂.

Orthocentrus fulvipes 1♀ & "? [illegible] 1♂, with [illegible]-seg. ant.

Stenomacrus sp. nr. [illegible] 1♂, 25 seg. ant.

St. curvicaudatus? 10♂♂ with 26-25-seg. ant. [illegible] wings & [illegible]; [illegible] ♀ with 23-seg. ant. [illegible] radial cell in right wing [illegible]

Adelognathus [illegible] 1♀.

"[illegible] minutum [illegible]" 1♂, 21-seg. ant.; [illegible]

Aniseres [illegible] ? 1♀. Mesochorus fulgurans? 1♂ (24-seg. ant.)

Mesochorus, 3♀♀. [illegible] 1♀, 23-seg. ant. red stigma, with 27-seg. ant. & black stigma

Helictes 1♂, 28-seg. ant. Aperileptus ♀ 1♂, 20-seg. ant.

Mesochorus sp. 1♂, 27-seg. ant.

Aspilota lateralis? 1♀. A. triangulator ?? 1♂

[illegible] [illegible] 2♀♀, with 22 & 22-seg. ant.

Gnamptodon pumilio 1♂

Pentapleura pumilio 1♀

Diapriid [illegible] 1 =

[illegible] 1♂ =

24th June 1939. After a gale & rain from N.W. last night, a cold day with strong wind (N.W.) & frequent skiffs of rain, with only a few gleams of sun later, mostly in forenoon.

In forenoon walked up [illegible] Allt, a glen about 2 miles S. of Aviemore. In afternoon Mr Eric Hosking drove us to Loch-an-Eilein, alt. 840 ft, where we spent a couple of hours walking round loch, where the last British Osprey nested, & admiring the remnants of the old Caledonian forest, Scots Pine, Juniper, Birch, Alder, Mt Ash, Aspen (v. rare), with much Vacc. Vitis-Idaea beneath, as well as Empetrum, Trientalis, Polygonum viviparum in places, but no oak, no hazel & no elm or holly or ash or thorn.

Bombus lucorum ♀ seen at (?) [illegible] & some ♀♀ of Bombus [illegible] at [illegible] flowers.

No insects collected in afternoon!

24.6.39 AM.

[illegible] Allt, 2 miles S. of Aviemore, 11-12 AM.

[Pompilus [illegible] on roadside bank S. of Aviemore]

Ochthiphila [illegible] ♂. [illegible] ♂ – [illegible] !?

[illegible] (?♀) [illegible] ♀ [illegible],

Seems to [illegible] [illegible] 29/2/46 [illegible] ♂, on 7.7.39, from [illegible] [illegible]!

in Aviemore [illegible] 29.7.39 [illegible]

No [illegible] sylvatica!

25th June 1939. A slightly better day, but still cold & mainly dull, with strong N. wind & frequent skiffs of rain. Everything very wet & sweeping quite out of the question till late afternoon when the bushes (Salix & Birch) began to dry a little. Sunday!

In forenoon walked via Inverdruie towards Loch an Eilein & turned N. through the forest to Coylum Bridge. On road near Inverdruie saw at close quarters my first Crested Tit & Scottish Crossbills & Siskin. Collected d[illegible] only {Formica rufa ♀, Acrodactyla degener ♀, 1 beetle} all morning.

Under sycamore leaf near Inverdruie & [illegible] R. Druie took one Acrodactyla degener Hal ♀.

Saw 2 or 3 Bumbles, all B. lucorum ♀♀ & a couple of Vespa queens, probably vulgaris.

Much nice natural open forest with some fine old Pinus sylvestris & Juniper, much Betula alba, a few Rowan, occasional Populus tremula, but no oak, ash, thorn, holly, or hazel, & no gorse. The carpet beneath mainly Calluna, Vacc. Vitis-Idaea, V. myrtillus with occasional Erica cinerea, E. tetralix, Luzula pilosa

25. 6. 39, forenoon, cont.
Trientalis, but no Luzula sylvatica.

In afternoon again walked to Coylum Bridge then on to Achnahatnich & back via Coylum Bridge & "The Dell" to Inverdruie & home. Saw in the Druie valley extraordinary signs of the havoc caused by a spate of two years ago, which reached the whole floor of the valley. A few plants of interest seen – Arctostaphylos uva-ursi growing by the roadside above Coylum Bridge. Pyrola minor, a beautiful group of tall spikes in a small Sphagnum swamp by road ~~near~~ near Achnahatnich, where also some Trientalis & on moraine, Genista anglica in seed & also again in flower. Swept a couple of Salix aurita near Achnahatnich & also alders, S. aurita & birch near "The Dell", about 3 insects at first place & 7 or 8 in the latter. Saw several ♀♀ Bumbles. of which one was B. muscorum & the remainder

25. 6. 39 Afternoon cont. Coylum Bridge, &c. cont.
were all B. lucorum.
Vespa austriaca 1♀ on roadside between Coylum Br. & Achnahatnich.
V. vulgaris? ♀♀ & ☿☿ seen – several places.

[Nine ichs. & bracs. kept & these labelled 21. 2. 41. AVS]

Pimpla vesicaria? 1♂, very slender: see [illegible] Schmied.!
Phytodietus "coryphaeus"? 1♀
Stenomacrus cubiceps? 1♀, 23 seg. ant.
Aperileptus sp. 1♀, 25 seg. ant.
Bracon pectoralis? 1♂, 34 seg. ant., dark legs.
Opius apicalator 1♂, 24 seg. ant.
Phaenocarpa conspurcator very small ♀, only 21 seg. ant.
Dacnusa stricticola 1 very small ♀, with 27 seg. ant.
[illegible] calcar Hal. 1♂.

Saw the Siskins again near Coylum Br. & a beautiful ♂ Redstart (Common R.) on return journey. The call note of the latter is nearly that of the Stonechat, but is not quite the same.

[Hemiteles ♀ taken on bathroom window of "[illegible]"
with clouded wings, & 28 seg. ant. [illegible]]

26th June 1939. A memorable day, for Daisy George & I climbed Braeriach, 4248 ft, & had a splendid day, though from 1 P.M. till 8 P.M. Aviemore experienced heavy rain. Went by car as far as "the locked gate", then walked through part of Rothiemurchus Forest & up Glen Einich to a point half way between the 1st & 2nd bothy, where we turned & made straight up the hill to Coire-an-Lochan. We left the car (about 1000 ft. alt.) at 9.50 & reached the Loch, 3,250 ft. at 1.45, had lunch & started for summit of Braeriach at 2.15, reaching the cairn at 3.30. After a few minutes there admiring the view, which included about half of Scotland, I believe Skye, Ben Nevis, Ben Wyvis & dozens of other peaks we could not identify, we started the descent by crossing the plateau, mostly over 4,000 ft, (skirting the Wells of Dee) to the head of Coire Dhondail & down this to the upper Bothy above the outlet of Loch Einich. Then back to car at the locked gate which we

---

26.6.39 cont. Braeriach, do. cont. reached at 7.40. Distance covered at least 20 miles not counting the climbing.

On the way through Rothiemurchus forest caught a Bombus lapponicus ♂, very fresh, saw several B. lucorum & two B. muscorum ♀♀, & took 1 ♀ Vespa vulgaris & saw others, also one Ich. taken — a ♂ = Banchus [illegible]. During the ascent no Bumbles seen, but one Dipteron (the deer Bot Fly) (Cephenomyia auribarbis Mg.) so like a male Bombus as to deceive me (fide Edwards) until it hit a stone & was captured.

Small moths plentiful (= Psodos coracina Esp.) & 2 taken for inspection (one given to M.S. Hadley Westcliff).

Carabus catenulatus taken by Loch in Coire-an-Lochan & several were seen up to summit & after. Reddish beetle (Nebria gyllenhali) very common about the Loch & several (or subspecies) were seen above same. A black species ( ) taken above Loch at about 4,000. Small black flies & a "Daddy" were very common, here & there, all the way up. The Loch yielded a "Pond Skater" (Gerris costae fide J.H. Holland) but no possible spot for

26-6-39 cont. Braeriach, &c, cont.
[illegible] was seen, its bed consisting of granite boulders with no real attempt at sand beneath.

Plants seen on way up included Alchemilla alpina abundant by the road up Glen Einich & to 4,000 or nearly that; Lycopodium alpinum, & clavatum from 2000 ft. upwards, & one patch of the annotinum at ca 3,000 ft but not on summit; Cornus suecica & Vaccinium uliginosum only at head of gully on E side of Glen Einich on way up & by path down near upper Bothy; Gnaphalium at head of same gully & here & there on higher ground on way up & way down; Silene acaulis from Coire an Lochain up to 4,000 ft plateau, where with a sp. of grass, Salix herbacea, & Carex rigida it sometimes formed the only visible vegetation bar lichens & some mosses; Stellaria palustris? on dripping rocks above Loch-coire-an-Lochan & in Coire Dhoundail, in latter place it was associated with a dwarf form of Caltha palustris (in flower) about 2-4 inches

26.6.39 cont. Braeriach, &c. cont.
high; Loiseleuria procumbens, abundant on dry slope below W. end of Coire-an-Lochan at 2500 to 3000 ft. & still in flower there; Saxifraga stellaris, on dripping rocks in various places on way up & down; Carex rigida very abundant above 2,000 ft.; Salix herbacea, abundant all over the higher ground from 3,000 ft. upwards; Potentilla sibbaldi abundant over a small area by the path down Coire Dhoundail, but only seen there; Veronica alpina one or two plants only with the last in Coire Dhoundail; a very striking grass gathered in flower at outlet of Loch-coire-an-Lochan, & possibly the same species forming swards where there was snow-water, as well as on plateau; another species on dry slope below Loch, with very red spikes (these proved to be & respectively); Epilobium alpinum, here & there in gully on way up at 2,000 or more, & on way down Coire Dhoundail.
The only mollusk seen was Arion ater

26.6.39 cont. Braeriach, &c., cont.

& this not seen except on return journey after a shower & probably not more than 2,500 ft., but height of first seen not noted.

Polygonum viviparum seen on return journey down Glen Einich at about 1,500 ft.

One Ptarmigan seen on summit of shoulder overlooking Loch Einich, but no other birds & no mammals seen above 2,000 ft., though Dotterel & Ptarmigan are said to breed commonly on the summit of Braeriach.

27th [illegible] day, with SW wind,
[illegible] ld, warm & humid
[illegible] sun; a [illegible]
[illegible] vegetation
&
[illegible] behind the
[illegible] of reservoir for
[illegible] Aviemore.
[illegible] 1 & 60 [illegible] labelled 2/3/4.
Aviemore E1 AWS (1) 27.6.39 AM | Aviemore E1 AWS (2) 27.6.39 AM
[illegible] ♂♂ & 1 ♀ seen.
[illegible] Taken & another seen
[illegible] rubricea 1 ♀.
[illegible] & [illegible] seen
[illegible] at 1.
[illegible] at 1.
[illegible] at 1, & [illegible] at 2.
[illegible] at 1.
[illegible]) [illegible] at 1.
[illegible] at 1.
[illegible] 2. {[illegible] at 1
[illegible] 2. {P. [illegible] at 1.
[illegible] at 2.
A. tenebrosa ? [illegible] at 2.

[illegible] 3 + 4 are of [illegible] p. 212.

26.6.39 cont. Braeriach, &c., cont.

& this not seen except on return journey after a shower & probably not more than 2,500 ft., but height of first seen not noted.

Polygonum viviparum seen on return journey down Glen Einich at about 1,500 ft.

One Ptarmigan seen on summit of shoulder overlooking Loch Einich, but no other birds & no mammals seen above 2,000 ft., though Dotterel & Ptarmigan are said to breed commonly on the summit of Braeriach.

27th June 1939. A pleasant day, with SW wind, strong at times, but never cold; warm & humid in shelter, though but little sun; a few slight skiffs of rain, but not enough to wet vegetation & sweeping possible all day.

In forenoon swept birch scrub behind the hotel golf-links (=1) & sides of reservoir for hotel in scrub (=2) at Aviemore, 11.30 till 12.30 AM. [All from 1 & 50 from 2 labelled 2/3/40 at any.]

Aviemore El. AVS (1) 27.6.39 AM | Aviemore El. AVS (2) 27.6.39 AM

Bombus lucorum several ☿☿ & 1 ♀ seen.

B. muscorum 1 fresh ♀ taken & another seen by George. Vespa austriaca 1 ♀.

Myrmica ruginodis, Formica fusca & F. rufa seen.

Tenthredella olivacea 1♀ at 1.

Tenthredopsis nassata 1♂ at 1.

Selandria flavens 2♂♂, one at 1 & one at 2.

Hemiteles 3 ♀♀ (3♂♂) with 22, 100 & 23 seg. ant. at 1. {

H. ? 1♂ at 2. H. sp. ? (in Stelis...) ... 1♀ seg. ant. 1♂ at 2.

Phygadeuon ?? 2♂♂, with 21 & 27 seg. ant. at 1.

Ph.? sp. ? 1♂, with 20 seg. ant. at 2. {Pezomachus ... at 1.

Ph.? 1 red ♀ with 20 seg. ant. at 2. {P. sp. ? 1♂, with dark ... at 2.

Ph. ?? 1♂ (pinned) at 2.

Atractodes ... 2♂♂, with 21, 22 & 42 seg. ant. at 2.

G. ... ? 1♂ at 2.

In addition Bomb— 3 & 4 see afternoon's list p. 213.

27.6.39 "AM" cont. Aviemore, cont.

Exochus tibialis? 1♀ at 1. Orthocentrus [illegible]? 1♀ at 1.
Stenomacrus [illegible]? 2♂♂ at 1, 1♀ at 2, with 28, 30 & 26 seg. ant. resp.
Catoglyptus fortipes 1♀ at 2. Tersilochus [illegible]?? 1♂ at 1.
Cremastus [illegible]? 1♂ at 1. Cryptus? 1♀ at 1, [illegible]
[illegible] [illegible]? 1♂ at 2. [illegible] [illegible], 1♂, 1♀ at 1, [illegible]
Phaeogenes sp.? 1♀ at 1, with [illegible] & 21 seg. ant.
Bassus [illegible] 1♀ at 1. [illegible] [illegible] 2♂♂ at 2.
Lissonota [illegible]?? 1 [illegible] at 1. G. [illegible]: 1♀ at 1.
[illegible] globulum?? 1♀ at 1, with 3 abd. tergites strongly sculptured at base.
[illegible] [illegible] 2♂♂ at 1. Calyptus fasciatus? 1 large ♀ with 27 seg. ant. but [illegible] the genus, at 1.
[illegible] edentatus ♀ at 1. [illegible] [illegible] 1 [illegible] at 2
[illegible] [illegible] 1♀ at 1. Ophion [illegible] 4♀♀ at 2. O. [illegible] 1♂ at 2, with 29 seg. ant.
Ophion sp. nr. pallipes cf sp. 2 of 17.3.1940: 1♂ at 2, 29 seg. ant.
[illegible] [illegible]? 2♂♂ at 2, with 26 seg. ant.: ~~[illegible]~~ ~~[illegible]~~ — No.
Campoplex 1♀ nr. rufipes, 18 seg. ant. at 2. Campoplex 1♂ nr. [illegible], 21 seg. ant. at 2.
Campoplex 1♂ 1♀ [illegible], 2? seg. ant., at 2. [illegible] [illegible] 1 each at 1 & 2.
[illegible] [illegible] 1 at 1. Diadegma sp. nr. [illegible]? 25 seg. ant. 1♀ at 1
Diadegma [illegible]? 1♀ at 2, with 30 seg. ant. (? with [illegible]?)
D. [illegible]? 1♂, 1♀ at 2 with dark wings & 33 & 32 seg. ant., (♀ with [illegible]).
D. sp. nr. [illegible]: 1♂ at 2, with yellowish wings, 23 seg. ant., but [illegible].
D. [illegible] 2♂♂ at 2, with 28 29 seg. ant. D. [illegible] 2 dark ♂♂ at 2.
D. [illegible]? 8♂♂, with 22 to 31 seg. ant. at 2
[illegible] of [illegible] 6♂♂, with 24 to 26 seg. ant. & 1♀, 22 seg. ant., at 2
but [illegible] not nearly so heavy as [illegible] specimens.

27.6.39 "AM" cont. Aviemore, cont

[illegible] 1♂ at 2. Rhamphomyia [illegible] 1♂ at 1
Dryinidae 3 at 1 & 1 at 2 =

Platygasterid? 3 very large at 2. =

Chalcids 1 at 1 & 4 at 3 =

Cynipid 1 very small at 2
Two beetles (given to S.O.M.).

27.6.39 "P.M"
In afternoon worked Oak-Birch wood 1 mile N. of Aviemore (=3) & Pine & Birch woods between No. 1 & Hotel golf-links (=4).

[89 from 3 & from 4 labelled 10/9/51 [illegible] A.N.S.]

Bombus lucorum & muscorum ♀♀ seen. rare
Crabro clavipes 1 swept at 3.
Myrmica lobicornis a nest at large boulder at 3.
M. ruginodis many cocoons larvae 2 ft. from that.
Formica fusca a few ☿☿ beside that.
F. rufa abundant & many nests seen, some of which appeared to have been dug for pupae; some ☿☿ at M. lobicornis nests, but ? why.

27.6.39 P.M. cont. N. of Aviemore, cont.

Aptesis melanosoma 1♂ at 3. A. nigriceps? 1♂ at 3.

(Spilocryptus antennator ??) sp.? 2♂♂ (or 1♂ & 1♀) at 3.

Demopheles [illegible] 1♀ at 3.

Dicaelotus sp.? 1 red ♀, 22-seg. ant. at 3.

Hemiteles matt sp. 1♂, 2♀♀ (3 sp.?), with 22, 24 & 25 seg. ant. at 3

H. sp. ♀, no areolet, 18-seg. ant., v. small, at 3. H.? sp.? 1♂ at 4.

Phygadeuon v. [illegible] ? 3♂♂ (= 3 spp.), with 22, 21 & 23 seg. ant. at 3.

Atractodes tenebricosus? 1♀ at 3. A. nr. sp. 1♀?, 21 seg. ant. at 3.

Stenomacrus [illegible]? 1♂, 2♀♀ at 3. St. sp.? 2♂♂, with 17 & 21 seg. ant. at 3

St. sp. 2♂♂, with 26 seg. ant. at 4.

Gypsentum ellipse? 1♂ at 3. G. ?? 1♀ ditto at 4.

Aniseles? 1♀ at 3, 36-seg. ant.

Mycetinus?? 1♂ at 3 Mesochorus sp. 1♂ at 3.

Colastes laevolator 2♂♂, 1♀ (dark var.) at 3.

Apanteles circumscriptus, 1 black ♀ & 1♀ with red 2-? & 3rd tergite, at 3.

A. infimus? 1♂ at 3. A. dilutus? 1♀ at 4.

Microdus cingulipes?? small, ♂, only 27-seg. ant. at 4.

Perilitus aethiops? 1♂ at 3. Meteorus sp. [illegible] (lectus?) 1♂ at 4.

Embolegon [illegible] 1 [illegible] ♂ at 4.

Blacus humilis? 1♂ at 3.

B. sp. nr. humilis, antennae pale at base & longer, head more [illegible]. 3♂♂, 1♀ at 3.

27.6.39 P.M. cont. N. of Aviemore, cont.

Porizon [illegible] 2♀♀ at 3. Bassus [illegible] 1♂ at 3.

Gnathoptilon pumilio 1♂ at 3 & another at 4.

Opius cf. spinulatus, [illegible], 23-seg. ant., [illegible], 1♀ at 3.

O. irregularis? 1♂, 25-seg. ant. at 4.

Phaenocarpa ruficeps 1 small ♂ at 3. Ph. conspurcata 1 small ♀ at 4.

Pentapleura pumilio 1♂ 1♀ at 3. P. angustula 1♂ at 3.

Aspilota sp.? 1♀, near nidicola, but larger head & longer ant., ♂, 20-seg. ant. at 3.

A. vulgaris Nixon? 1♂, 3♀♀, with 21 & 26-seg. ant. at 3.

A. vulgaris Nixon? [illegible] (ant. broken) & 2♀♀, with 19 & 20-seg. ant., larger than last, at 3.

A. nigrescens Nixon? 1 small ♀, with large head & very short 18-seg. ant. at 3.

A. crassifemur Nixon 1♀ with 25-seg. ant. at 3.

A. grandiformis Nixon?? 2 small ♀♀, with 22-seg. ant. at 3.

A. sp.? 1 small ♂, red petiole, short 3rd cubital cell, like a small ruficeps, but the 14 seg. ant. have 3rd seg. no longer than 4th.

Oenone ringens 2♀♀ at 3. Chaenon anceps 3♂♂ at 4, in swamp.

Dacnusa melanocera 1 small ♂ at 3. D. areolaris 2♂♂ at 4.

Epidorus plagiator 1♀ at 4. Praon cf. flavinode 1♀, [illegible] seg. ant. at 3.

Aphidius sp. 1♂, 19 seg. ant., dark legs, at 4.

Proctos. 8 at 3, 5 at 4.

Chalcids 2 at 3. Cynipids 2 at 3. Diptera 1 at 3.

Coleoptera: 3 at 3 }= & 3 at 4 = { Rhagium / Donacia 24

Hemiptera: 3 at 3.

216.

28th June 1939. A day of showers & some wind with glass down three points. Very little collecting possible, except during one burst of strong sun (spoilt by S.W. gale) when the bumbles were taken about noon.

Took bus (11.36 a.m.) to the Boat of Garten & walked via Kincardine & Sluggan Pass to Loch Morlich & home to Aviemore by Coylum Bridge. All Psithyrus taken in Sluggan Pass!

Bombus lapponicus ☿☿ common on raspberry flowers between Boat of Garten & Kincardine & also seen near the latter place.

B. muscorum several ♀♀ & ☿☿

B. lucorum ♀♀ & ☿☿

Crabro varius 1♂ on birch — pass

Vespa austriaca several ♀♀ seen

V. norvegica 1♀ near Kincardine.

Tenthredo arcuata 1 on pignut near Kincardine

Sluggan Pass

Cratichneumon [illegible]? 2 ♀♀. [illegible] 1 (♂?) 25 seg. ant., [illegible]

[illegible] ? 1♂. [illegible] [illegible] [illegible] ant. 1♂

[illegible] [illegible] ? 1♂. [illegible] ? ♀ [illegible] 1♂, [illegible] ant.

Hemiteles [illegible] ? 1♂. Helictes [illegible] 1♂.

217.

28.6.39 cont. Sluggan Pass, Aviemore, E1 cont.

Sluggan Pass

[illegible] [illegible] ? 1♂ [illegible] [illegible] ? 1♀.

Perilitus sp. 1♂, 1♀. [illegible] [illegible] ? 1♂, 1♀.

[illegible] [illegible] 1♂ [illegible] [illegible] 1♂.

Ephedrus [illegible] 1♂.

Proct. 2 =

Beetle =

28.6.39, cont. A ♀ Hemiteles [illegible] taken in bathroom at Cairnalan, Aviemore, E1.

29th June 1939. Took ♀ Vespa austriaca [illegible] in dining room at Cairnalan, Aviemore at 8 a.m.

29.6.39 cont. A very squally day, almost a gale from W.–NW, with showers of rain, cold.

Left Aviemore by morning train (8.49) & went to Torridon, W. Ross-shire, via Inverness & Achnasheen. In late afternoon walked along path (through woods at Ben Damph Ho.) that leads to Shieldaig.

Stayed at Mrs Mackenzie's "Bay View," Annat, Torridon, on S. shore of bay about a mile from village of Torridon.

29. 6. 39 cont.

Path through woods (mainly [illegible] plantation)
at Ben Damph House, Torridon, Ross West [= RW]
[illegible] very [illegible]
[illegible] rather [illegible] after showers, but
insects frequent in shelter.
19 specimens taken, & also labelled 30/9/1941 HWS.

B. lucorum ♀♀ & ☿☿ common on raspberry & blackberry flowers at edge of wood.
B. hortorum 1♀ at Delphinium in garden at "Bay View"
B. muscorum ♀♀ & ☿☿, a few, with lucorum.
B. pratorum 1♀ on blackberry flower with last.
Anteon 1♂.
Allantus calceatus 1♀, with abortive wings.
Barichneumon albicinctus (= Locutor Thunb.) ♂, var. anus black.
Phygadeuon (?) sp.? 3♂♂, 1♀ (? all same sp.)

Hemiteles aperta Thom.? 2♂♂, with 21-seg. ant.
Polysphincta (Acrodactyla) madida Hal. 1 nice ♀, 1♂.
Promethes scutellatus, 1♂.
P. sulcator 1♀   Catoglyptus fulvipes 1♀.

29. 6. 39 cont. Ben Damph Ho., Torridon, [illegible] R.W. cont.
Ctenisceus 2♂♂. Stenomacrus cubiceps Thom. 1♂
Leptopygus harpurus? 2♂♂. Aperileptus sp. 3♂♂, 1♀.
Plectiscus 3♂♂, ? all one species, with 20, 22 & 23-seg. ant.
Plectiscidae: 1♂, nearest = ? Gen.? 1♂, 1♀ with [illegible]
Bracon variator? 1♀, rather small, with almost black legs, &
Apanteles circumscriptus? 2♂♂, 1♀. Apanteles black spp.? 7♂♂, 1♀.
Opius hians mihi 1 beautiful ♂ (see p. 198, ante), with 53-seg. ant.
O. sp. ♂, with torn-off wings & 22-seg. ant. possibly irregularis, var. with faintly [illegible]
O. "spinulator"?? 1 small ♂, with 25-seg. ant. & 1 (? ♀) with [illegible] & 20-seg. ant.
O. xanthogaster = ? cingulatus, sp. n. mihi, 2.10.1941, near O. [illegible] mihi, but ant. 38-seg. ♂. — put in type coll.
Adelura florimela 1 fine ♀, with 50-seg. ant. A. flaviventris 3♂♂.
Aspilota 3♂♂ (? of 3 spp.) with 25, 22 & 21-seg. ant. & {
A. sp. nr. [illegible], with 1♀, 17-seg. ant. A. (Synaldis) cf. concolor 1♂, 21-seg. ant.
Dacnusa melanocera 2♂♂, 26-seg. ant. D. adducta 1♀, 30-seg. ant.
D. aphanta 1♂, 1♀, 25 & 24-seg. ant. resp. D. longiradialis 1♂, 21-seg. ant.
Monoctonus caricis 1♀, with 14-seg. ant.
Aphidius spp. 2♂♂, 1♀, with 20, 19 & 17-seg. ant. resp.

Proctos. 14 examples =

P.T.O.

29.6.39 cont
Proctor.

30th June 1939. Mainly fine, but cool, with strong N.W. breeze, some sun & some small showers.

Walked round, via ~~past~~ Torridon village & on to a point above Torridon House, then climbed up to cliffs of Sgurr-a-Chadail (2287 ft) to about 1700 ft, where much *Alchemilla alpina*, with *Juniperus sibirica*, *Thalictrum alpinum* (in one wet spot at W. angle of cliffs), Beech Fern, *Arctostaphylos uva-ursi* (rare). Scarcely collected insects at all, as ground & wind impossible, but the following seen or taken: —

Bombus lucorum frequent, ♀♀ & ☿☿.
B. jonellus ♀♀ frequent, ? 1 ♂ seen.
B. muscorum a few ♀♀ seen along roadside.
Andrena tarsata 1 ♂ on roadside above T.
Vespa rufa 1 ♀ at about 1500 ft.

30th June 39 cont. Torridon district cont.

Campoplex [illegible] sp. 1♀ on roadside.
Apanteles congestus 2 balls of cocoons, on stalks, on moor — [illegible]

C. black sp. 1♂ on roadside.

Northern Brown Butterfly (*E. media*)
About half-a-dozen seen, one taken; seen flying with Meadow Brown & much stronger on wing than that species.
Small Heath common. Large Heath: one seen.
Small White? one seen in distance, either this sp. or napi!
Dragon Fly (*Cordulegaster*) several seen & one captured with fingers while at rest.

On this day Mr & Mrs Thornley — a young couple from Birmingham — climbed Liath, 3,456 ft, & at my request brought me specimens from the summit, which they said were growing in crevices of the rocks. The plants were *Salix herbacea*, *Arabis petraea* & *Saxifraga stellaris*.

1st July 1939 A fine day, with much sun, strong NW cool breeze & a few slight showers.

Insects only in bottles.

Walked to Loch Damph, along 2/3 of E shore & home round S. shoulder of Ben Damph. Most insects collected near boat-house in birch scrub on E. side of L. Damph. {64 specimens kept & then labelled 5/10/41 et seq.]

Bombus lucorum ♀♀ & ☿☿ frequent

B. jonellus ♀♀ frequent

B. muscorum ♀♀ & one or two workers: rare

Andrena subopaca 1♀, swept off heather on side of loch

Myrmica ruginodis
Lasius niger } ☿☿ examined.
Formica fusca

Crabro (= Ceratocolus) sp.? 1 seen to enter hole in dead stump along shore of lake, but could not get it out (? C. leucostoma ?)

Vespa norvegica 1☿.

Anteon ♀

Tiger Beetles by roadside, one of which (taken by George) was not green but a slaty colour: this unfortunately escaped in house & was accidentally tramped on.

Large Heath Butterflies & many grandariata just hatched on boggy heath

Hares had evidently fed on ling in [illegible] & bogs.

1.7.39 cont. Loch Damph district cont.

Spilichneumon stagnicola Thoms? 1♀ ANS. 5/10/1941.

Hemiteles aptera? 1♂ H. sp.? dark abd. & legs, [illegible] 1♂,

H. sp.? 1 red ♂. Other Cryptinae, 2 ♂♂ }=

Catoglyptus 1♀. Orthocentrus corrugatus? 1♀, 21-seg ant

Orthocentrus n. sp.? 1♀, with elongate slender abd. tergite 1, 2 & 3 rugose: ant. 22-seg.; no trace of areolet, but nervellus intercepted & black.

Stiromesus sp. pallipes 1♀, 24-seg ant. St. ventralis 1♀.

Eclytus fontinalis 1♀. Metoleus? sp. 1♀, 30-seg ant

Cryptini?? 2♂♂, 1♀ (= 3 spp?)

Aperileptus [illegible] 1♀, 20-seg ant. Plectiscus? sp.? 1♀, 21 seg ant.

Aperileptus black sp. [illegible] 2♂♂, 1♀. A. black sp. smaller [illegible] 1♂. A. black, pale base [illegible] 1♀

Aniseton subfasciatus? 1♂. Microgaster politus [illegible]? 1♂, [illegible]

Meteorus micropterus 1♂. Opius irregularis 1♀. O. sp. 'aperculator' 1♂ 2♀♀, [illegible]

Pentapleura angustula 1♀, 18 seg ant. P. pumilio 1♀, 21-seg ant.

Aspilota [illegible] ? 1♂ 24 seg. ant. A. [illegible] ? 1♀ 19 seg ant. A. [illegible] ? 1♂, 19-seg ant.

A. [illegible] ? 1♀, 20 seg ant. A. (Synaldis) cf concolor? 1♀, 18 seg ant.

Dacnusa adducta 2♂♂. D. melanocera 1♂, 1♀. D. sp. near [illegible] 1♀ {[illegible]

D. sp. n. near [illegible] 1♀, small, [illegible], 22 seg ant, [illegible]

D. areolaris? 1♂, 21 seg ant. Aphidius sp. dark legs 1♂, 18 seg ant.

Phaenocarpids 3.

Other Proctos 5.

Chalcids 1.

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1.7.39 cont. Loch Damph district, cont.

On return over shoulder of Ben Damph the following plants were seen: Juniper, most of which likely communis & some like sibirica; Thalictrum alpinum, on patch of trickle of water at about 1500 ft.; Arenaria 'alpina'; Solidago, many plants about 2 inches high in crack in flat rocky expanse; Alchemilla alpina, abundant; Sedum roseum, on sides of stream, only; Beech Fern frequent.

{On shore Scutellaria galericulata growing at high water mark amongst sea-weed. Refer to shore of Torridon, 2/8/39! A.H.S.}

2nd July 1939. Very wet in morning after a wet evening, with frequent showers; in afternoon mainly fair, but everything too wet to collect. Walked through estate of Ben Damph Ho. to point about a mile from Annat & watched Eider Ducks with young & Mergansers. Also saw Herons' nest in tall Pine tree with young.

Tried sea-weed in several places, but captured only one beetle ( ) & a Hymenopteron (= Hemiteles ♀); on rock beside sea weed took a ♂ Myrmica, which

225

2.7.39 cont. Ben Damph Ho. shore, cont.

on examination later proved to be M. scabrinodis.

Took a very small ♀ of Bombus lucorum ? near Bay View.

At Annat gate of estate saw a ♂ Bombus pratorum, with very dark tail (second only red

... darin, do

... [illegible] at noon,

... folia (Pine Bay)

... t 6.30 P.M.

... museum

..., ♀♀ & ♂♂.

... woods, near

... (Cephenomyia

... d & clinging to a grass

... d the forceps ejected

This fly is really

... tical appearance.

Mistle Thrush's nest. E. O'M. 153.

Capillota sp. ♂ + ♀. St. Anne's Dn. 23.4.39!

2♀♀ = A. vespare 1♂ + A. wide head sp. 1♀

Black Bird's nest. E. O'M. 151. 154.

[illegible] sp. ♀. St. Anne's Dn. 23.4.39!

[illegible]

Mistle Thrush's nest. E. O'M. 153.

Aspilota spp. ♂ & ♀. St. Anne's, Du.
2♀♀ = A. ruspara 1♀ & A. wide head sp. 1♀
23.4.39. 1

Black Bird's nest. E. O'M. ~~154~~ 151.

St. Anne's, Du.
23.4.39.

Rhogas sp. ♀

Em. 16.5.39.

éire

Telephone No. :—
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street),

BAILE ÁTHA CLIATH (DUBLIN), ...19......

1.7.39 cont. Loch Damph district, cont.

On return over shoulder of Ben Damph the following plants were seen: Juniper, most of which liked communis & some like sibirica; Thalictrum alpinum, on patch of turf at edge of water at about 1200 ft.; Armeria "alpina", Solidago, many plants about 2 inches high in cracks on flat rocky expanse; Alchemilla alpina, abundant; Sedum roseum, on rocky stream, only; Beech Fern frequent.

[On shore Scutellaria galericulata growing at high water mark among sea-weed. Refers to shore of Torridon, 30/6/39. A.H.S.]

2nd July 1939. Very wet in morning after a wet evening, with frequent showers; in afternoon mainly fair, but everything too wet to collect. Walked through estate of Ben Damph Ho. to point about ½ a mile from Annat & watched Eider Ducks with young & Mergansers. Also saw Heron's nest in tall Pine tree with young.

Tried sea-weed in several places, but captured only a few one beetle ( ) + Hymenoptera (= Hamilton ♀); on rock beside sea weed took a ♀ Myrmica, which

2.7.39 cont. Ben Damph Ho. shore, cont.

on examination later proved to be M. scabrinodis.

Took a very small ♀ of Bombus hortorum near Bay View.

At Annat path of estate saw 4 ♀ Bombus pratorum, with very dark tail (second only red at extreme apex) & several lower down, [illegible] & visiting flowers of Scrophularia at noon, Scrophularia & Epilobium angustifolium (Rose Bay) at 12.30 & bramble flowers at 6.30 P.M.

Also saw Bombus lucorum & B. muscorum at same place on bramble flowers, ♀♀ & ♂♂.

On return from shore, captured in woods near entrance gate a ♀ of the Deer Bot fly (Cephenomyia auribarbis Mg.) just freshly emerged & clinging to a grass stem, which on being taken with the fingers ejected a quantity of pinkish fluid. This fly is really very like a Bombus in superficial appearance.

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3rd July 1939. A fine morning, but afternoon spoiled by several drenching showers.

Moved on to Kinlochewe (Mrs McDonald's, "[illegible]") in forenoon. After lunch walked towards Loch Maree on right bank of river, & collected by tributary stream under alders &c for half an hour before heaviest shower & for same period after rain had cleared, but vegetation too wet to permit proper test of fauna. Nevertheless quite a lot of insects about.

Path towards Loch Maree, Kinlochewe
3 till 3.30 & 5.30 till 6.0 P.M. {134 insects taken & these labelled 10/10/[illegible] A.W.S.

Bombus lucorum 2 or 3 identified: all ☿☿
B. hortorum 1☿ at Foxglove flowers.
B. muscorum about 5 or 6 ☿☿ seen, one at foxglove.
Myrmica ruginodis 1☿ kept
M. laevinodis 2☿☿ kept.
Formica fusca ☿☿ frequent
Leptothorax [illegible] 1 kept.
Anteon sp. 2♂♂.
G. sp. 1♂.

227.

3.7.39. contd. Below Kinlochewe, contd
[illegible] ([illegible]) [illegible] 1♀, antennae broken off.
Athalia cordata? 1♂. Fenusa pumila? (or dohrni?) 1♀.
Pheugia [illegible] [illegible] (= [illegible] Thoms.)? ♂♂ abundant.
Ph. planifrons? 2♂♂. Platylabus 1♀, cf. pulcher [illegible].
[illegible] [illegible] sp. 1♀. [illegible] [illegible] 1♀
Hemiteles aff. [illegible] [illegible] Th.? 1♂ of each?
H. [illegible] [illegible] 2♂♂, same as recorded on p. 222? [illegible].
Phygadeuon? sp.? 2♂♂, 1♀ (? same sp.)
Ph. ?? ♂ larger than last.
Exolytus sp.? 2♂♂. Pimpla turionellae group 1♂. = flavicornis Th. ♂. A.W.S. 23/10/41.
Promethes sulcator 1♀. [illegible] [illegible] [illegible] 1♀.
Stenomacrus cf pallipes. 1♂, 32-seg ant. Perilissus filicornis 2♂♂.
St. [illegible]? 1♀ with 19-seg ant.
Mesoleius [illegible] [illegible] or [illegible]? 5♂♂, 2♀♀.
Aperileptus sp. [illegible] 1♀, with 21-segmented antennae.
[illegible] [illegible] 1♂, same as [illegible] specimen.
Plectiscid: gen. et sp.? 1♀, [illegible] 1st & 2nd tergites, 19-seg ant., [illegible]!
[NB. All the above are in 1st Scottish box of 1939, those below are in the 2nd]
Rhogas irregularis 1♂, 1♀. Microgaster politus? 1♂.
Apanteles [illegible] sp. 2♂♂. Ap. cf. [illegible] 2♂♂, 2♀♀.
Euphorus punctulatus Rh.? Mesonotum without notauli, but strongly punctate in centre, antennae entirely testaceous, 21-segmented. 1♀ [illegible]
Leiophron [illegible] 1♀ {Opius cingulatus 1 or all ♂, with 31-seg ant. [illegible]
O. "apicalis"? 1♀, with 22-seg ant.

3.7.39 cont. Below Kinlochewe cont.

Pentapleura pumilio 3♂♂, 2♀♀ small. Phaenocarpa ruficeps 1♂ & 1 dark ♀.

Phaenocarpa conspurcator 4♂♂ 2♀♀ of a small form. Adelius flaviventris 1♀

Aphaereta tenuicornis Nixon 1♀. Aspilota spinulata Thoms. 1 nice ♀, 21-seg. ant.

Aspilota crassifemur with 2♂♂ with 26 & 27 seg. ant.} A. sp.? 1♂, with 33 seg. ant. & red petiole but [illegible]

A. sp.? 1♂, with 24-seg. ant. & deep shoulder grooves but not femur [illegible]} A. sp. nervosa with 2♂♂ 1♀, with 23, 22 & 19 seg. ant. respectively

A. sp. nr. ruficornis with 2 small ♂♂ & 1 dk. ♀ with 21, 22 & 18 seg. ant. respectively} A. sp. vulgaris with 2♂♂ 3♀♀ [illegible] with 17, 17 & 17 seg. ant. respectively}

A. altifrons n. sp. 1♀, very robust legs, dark body, clear wings, slender, short, 18-seg. ant., large spiracles, reticulated propodeum abruptly declivi[tous], stout petiole with prominent spiracles. Put in type coll. 14/10/41. ANS.

A. rufipes with 2♂♂ 1♀ with 16, 16 & 18-seg. antennae respectively} A. sp.? near rufipes 1 large ♂, with 17-seg. antennae}

A. "procerus"? 1♀, with 18-seg. ant. A. sp. cynipidicola with 1♂, 20-seg. ant.

A. sp. nr. tenuissima with 1♂, 18 seg. ant. A. (Synaldis) concolor? 1♂, 21-seg. ant.

Dacnusa divisa 1♂, 32-seg. ant. D. senilis, 1 fine ♀, with 33-seg. ant.

D. cytherea 2♀♀, with 31 & 32-seg. ant. D. striatula 1♀(?) with 27-seg. ant.

D. adducta 2♀♀, with 30 & 31-seg. ant. D. pubescens 1♂, with 25-seg. ant.

D. areolaris 1♂ with 20-seg. ant. D. maculipes 1 very small ♂ & 1 large ♀ with 30 & 32-seg. ant. respectively

Chaenon anceps 1♂, with 68-seg. ant. Aphidius sp. 1♂ dark legs, with 16 seg. ant.

Proctos 5.

Chalcids 5, including 1 lovely specimen with clouded wings & red pillow-like scutellum :=

Diptera 2 = Rhyngia campestris by. [illegible]
ANS. 13/10/41

4th July 1939. A fine day, no rain till 9 P.M., some short, but sun bursts, but strong S-SW wind, warm.

Again swept ground under alder, birch trees below Kinlochewe, as on afternoon of 3rd, & spent some time about noon on scarp of gravel moraine. Later went up the hill to east & spent an hour in Allt Chnaimhean (which Mr McDonald says means "The Burn of the Bones", but knows not why it is so called). In last locality there was a fine show of plants as it has never been burnt & the deer do not seem to go there; Saxifraga aizoides in fine clumps, Alchemilla alpina very abundant, Arctostaphylos uva-ursi one or two plants only, Trollius europaeus in one place abundant, on wet ledge with R. acris & Geum rivale. On reaching the "gully" a Buzzard flew up & circled over it, calling, for as long as I stood still.

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4.7.39 cont. Kinlochewe, &c. cont.

River flat, right bank, 1 mile below Kinlochewe, under Alder trees = 1.

Scarp of gravel moraine = 2.

Allt Chnaimhean = 3.

Bombus lucorum ♀♀ seen
B. jonellus ♀♀ seen
B. muscorum ♀♀
} on hillside.

B. hortorum 1♀ on Foxglove at 2, & on 3rd

Psithyrus quadricolor 1♀ on raspberry flower at 3.

Andrena or Halictus rubicundus ♀ seen on stones & later on Sorb. aucuparia at 3.

Crabro varius frequent about 1 & 2.

C. dimidiatus 1♀ at 2, on alder

C. sp.? seen at 2, possibly [illegible]

Odynerus pictus 1♂ Kirb. seen at 2; & also what may have been a ♀ of same species seen in distance at same place.

[illegible] [illegible] & [illegible] at 1.

Formica fusca at 1 & 2.

[illegible] 1♂ at 1.

C. 1♀, very small, [illegible] at 1.

About 1 & 5 specimens labelled "(1/3) at [illegible]: those [illegible] labelled "(3) 4.7.39" that those from 1 & 2 all labelled "(2) [illegible] 4.7.39" all [illegible] Kinlochewe: for [illegible] ANS." ANS 23/10/41.

231.

4.7.39 cont. Kinlochewe district cont.

Tenthredella ferruginea 1♀ at 1 on alder.

T. balteata 6♀ at 3.

Pachyprotasis antennata ♀ on birch at 1

Strongylogaster delicatulus ♀ on fern

Black sp. ♀ at 1. = Allantus pallipes ([illegible])

Abia sericea ♀ on bracken at 3.

Athalia 1 at 1.

Pteronidea myosotidis 1 at 1.

Hoplismenus bispinatorius Thunb. 1♀ at 2. Barichneumon albicinctus Gr. (1♂ at 1 & 2. [illegible] Thunb.).

Epitomus pygmaeus 1♂ at 1. Gen. et sp.? near [illegible], [illegible] at 1, [illegible]

Phaeogenes sp. near (? [illegible]) 5♂♂, 1♀, but very variable [illegible]

[illegible] very small sp. [illegible] 6♂♂ (at 1 & at 3). Phygadeuon [illegible]

Atractodes [illegible] 2♂♂, 1♀ at 1. Atractodes [illegible] 3♂♂ [illegible]

Pimpla [illegible] prob. 1♂ at 1. = P. flavicoxis Th. ANS. 27/10/41.

Lissonota bellator 1♂ at 1

Glypta elongata 1♂, 1♀ at 4 [illegible] flock.

Phytodietus [illegible] ([illegible]) 1♀ at 3.

Bassus tricinctus (= tetragonus) 1 immature ♂ at 1, with pallid abdomen.

Promethes dorsalis 2♂♂ at 1, both bearing tyloids on 5 segments of the antennae & one with tergites 3 & 4 all red & without the usual ◆-shaped black mark in the middle thereof & then the latter is quite unlike any specimen I have taken in Ireland! ANS 22/10/41.

4.7.39. Kinlochewe district, cont.
cont.

Stenomacrus (Neurateles) pusillus 1♀ at 1, which agrees perfectly with 2 Brit. ♀♀.

St. sp.? 1♂ (antennae broken) pale face & legs: in some ways like last, but head more rounded, stigma narrower & propodeum & abd. more sculptured. at 1.

Exochus bipunctatus [illegible], sp.? 1♂ at 1, smaller but similar to type taken in Hollywood Glen, W1, on 15/6/1935 & put in coll. with det.
[illegible]

Perilissus [illegible] ? 1 dark ♂. at 1.

Polyblastus? sp.? 1♂ at 1, with 38 seg. ant. red abd., ♂

Perilissus rufoniger 1♂ at 3. Campoplex sp. 1♂ at 1.

Meteorus hydropota? 1♂ at 1. M. hydrophilus & [illegible] ? 3♂♂ 3♀♀ at 1.

[illegible] ? 1♂, 6♀♀ at 1 & 3. Also →

Apanteles impurus Nees? 1♀ at 1. Rhogas irregularis 2♀♀ at 1.

A. [illegible] 1♀ at 1. Microplitis borealis? 1♂ at 1. M. mediator? 1♀ at 1.

Agathis anglica? 1♀ at 1.

Meteorus [illegible] ? 1 fine ♂ at 3, with 42 seg antennae.

M. sp. [illegible] ? 1♂ at 1, 32 seg. ant. M. abdominator 1♀ at 1, 33 seg. ant.

[illegible] [illegible] 2♂♂ at 1. Opius [illegible] 1♂, 1♀ at 1.

Opius [illegible] 1♂ at 1, 28 seg. ant. O. [illegible] ? 1♂ at 1, with 34-seg. ant.

O. [illegible] 2♂♂, 2♀♀ at 1. O. apiculatus? 1♀, with 23 seg. ant. at 1.

O. sp.? 1 small ♂? at 1, like "apiculatus" but stouter [illegible] legs & only 20 segmented antennae, rougher petiole, &c.

4.7.39 cont. Kinlochewe district, cont.

3, the [illegible] [illegible] at 1 [illegible] at 2 [illegible] at 1

=

=

[illegible] 1♀ at 1.

Centistes? small black sp., 1♀ at 1, with 17-seg. ant.

Pentapleura pumilio ♂♂, [illegible] 1♀ & 2 ♂♂ [illegible] at 1.

Aspilota [illegible] 1♀ at 1, with 17 seg. ant. A. sp. [illegible] 1♀ with 19 seg. ant. [illegible] at 1.

A. [illegible] 1♂ with 22 seg. ant. at 1. A. [illegible] at 1 [illegible] seg. ant.

A. [illegible] (1♀, 16-seg. ant. at 1) A. spp. 2♂♂, with 23-seg. ant., differing [illegible] at 1.

A. sp. [illegible] 2♂♂ & 2♀♀ at 1, with 19, 20, 22, [illegible] seg. ant.

A. spp.? 2♂♂, 2♀♀ ([illegible]) at 1, [illegible] 16 & 17-seg. ant. [illegible]

D. ([illegible]) [illegible] 1♀ at 1, with 21-seg. [illegible] antennae.

A. sp.? [illegible] small ♂, with 16 & 17-seg. ant. at 1, [illegible]

Dacnusa [illegible] 1♂, 1♀, with [illegible] 31 seg. ant. D. [illegible] at 1 [illegible]

D. [illegible] 1♂, 1♀ at 1, with [illegible] seg. ant. D. [illegible] 1♂ at 1. D. [illegible]

D. [illegible] 1♀ at 1, with [illegible] seg. ant. [illegible] 1♂ at 1. Aphidius sp. [illegible] ♂ at 1.

Coelinius gracilis 1♂, 1♀ at 1, with 30 & 31-seg. ant. resp. {Aphidius [illegible] 1♂ and A. [illegible] 2♀♀, all at 1}

[illegible] 1♂, 7♀♀ of [illegible]
Other Braconidae [illegible] specimens.
[illegible] 6 specimens of [illegible] species.
[illegible]
[illegible]

Saw several large Fritillaries, very fresh & brown, with [illegible] but [illegible]. Also

[illegible] [illegible] several [illegible] [illegible]
(7 sp.) [illegible] large [illegible] & [illegible].

5th July 1939. Entirely spoilt by rain, so far as collecting insects went. After a wet morning the early afternoon cleared & with a gale of wind behind me (from S–SW) I went up the path N of Kinlochewe leading to Ben Eighe & Meall a' Ghiubhais (pronounced "Meäl-an-Usa" by Mr. McDonald, = "Mt of the Pine") where Daisy & George had found Arctostaphylos alpina on the previous day. On saddle between these two mountains this plant was abundant growing on rocky screes & moraines amongst the commoner A. uva-ursi, Juniperus, Calluna &c.

I then went up S slope of "Meall-an-Usa", crossing a wet patch where Butterwort was growing & soon came on other plants, Armeria alpina, Vaccinium uliginosum & quite an abundance of Loiseleuria procumbens, with Lycopodium alpinum & Rubus chamaemorus. Heavy rain coming on I had to turn back when a few hundred yards from the edge of the cliffs facing E, as I had not my boots on.

Many bumble bees seen after rain & when wind dropped & nearly all these were B. jonellus ♀♀, only 1♂ &

5.7.39 contd. "Meall-an-Uisa", Kinlochewe, contd.
a few ♀♀ of lucorum.

No insects collected all day, except a ♂ Spathius exarator taken in house at lunch.

6th July 1939. A very wet morning, with heavy rain & no wind from early till we left Kinlochewe at 10.45 for Achnasheen, whence train to Kyle of Lochalsh, where arrived at 1.40 & found rain just over. Afternoon mainly fine, with S.W. wind. Walked along coast towards Balmacara & collected in a small bay by sweeping bracken &c by stream from small loch in hills: here took about ~~a dozen~~ 40 insects. On way round path saw many Bombus lucorum ♀♀ & ♂♂, one or two B. muscorum ♀♀ [& I think 2 ♀♀ B. lapidarius at foxglove, but too far away to be able to swing at them!]. At one spot where path backed by rock took 1♂ & 1♀ Odynerus parietum, var. with almost white bands.

6.7.39 cont. Kyle of Lochalsh cont.

Insects taken by [illegible] from Kyle to Balmacara,
Bombus muscorum 1☿ kept. Odynerus pictus 1♂ 1♀ kept. Ross West (=RW).
Myrmica ruginodis 1☿ M. scabrinodis 1☿. Formica fusca 1☿.
Formica rufa 2☿☿ kept. Athalia lineolata 1♂.
3♂ Cryptus, with 22, 23 & 24 seg. ant. resp.
[illegible] [illegible] [illegible]

4♂ [illegible] kept [illegible]

Phytodietus [illegible] 1♂. Stenomacrus [illegible] 2♀♀.
Promethes sulcator ♂. Bassus deletus Th 1♀. Mesoleius [illegible]
[illegible] 2♂♂ with 37 & 39 seg. ant. Omorga? of [illegible]? 1♂, 23 seg. ant.
Angitia? cf. [illegible] 1♀, 24 seg. ant. Eposilophus? of ? 1♀, with 23 seg. ant.
Apanteles [illegible] ? 1♂, 2♀♀. Macrocentrus [illegible] ? 1♂ 34 seg. ant. very [illegible]
Meteorus deceptor 2 fine ♀♀ with 39 & 40 seg. ant. M. scutellator 1 dark ♀ with 35 seg. ant.
Pygostolus sticticus 1♀ 33 seg. ant. Opius cingulatus 1♀, with 23 seg. ant.
Opius [illegible] 1♂, with 25 seg. ant. & 1♀ (not taken) agrees with type [illegible] [illegible]
Aspilota [illegible] 1♂, 27 seg. ant. A. [illegible] 2♂♂, with [illegible] seg. ant.
[illegible] [illegible] ? 1♂, 16 seg. ant.
[illegible] 1♂ of one species & 2♀♀ of another.

Cynipid 1♀(?).

George reported a large "Fritillary" but ? sp.

7th July 1939. Like the 6th, this opened with heavy & continuous rain from dawn till we arrived at Mallaig by steamer "Loch Nevis", which left Kyle at 9.50. A fresh SW wind springing up the afternoon was fine & sunny, but too windy for insects, with heavy rain again late at night. Arrived Arisaig about 12.30.

Spent a couple of hours, [illegible] in afternoon on sands but saw nothing but a few Bombus & sweeping yielded almost nothing. George found a very tiny wingless Cynipid & I found in sand amongst netting [illegible] a very small ♀ Pezomachus.

Sands & coast 1½ miles NW of Arisaig
4 till 6 P.M.

Bombus lapidarius several ☿☿, the first seen during the trip
B. lucorum ♀♀ & ☿☿ }
B. muscorum ♀♀ & ☿☿ } both frequent.
[No B. agrorum seen]
Tenthredo [illegible] 1♀ var. with all black propodeum } Exolytus 1♂
Pezomachus 1♀. Hemiteles 1♂
♂ Cryptus 27 seg. ant. Mesochorus 1♀
Bracon commun m. 1♀ ant. 25 } Aspilota fulvipes [illegible] 1♂
Microgaster tibialis } Cynipid, small, [illegible] [illegible] of.

238.

8th July 1939. A fine morning after a wet night with much hot sun till 4 P.M. when rain again set in. Wind S.S.W. rather strong.

Spent morning in Arisaig, but did not collect there. On roadside between Arisaig & the Allt Cam saw a few Bumble & other Aculeates during hot sunshine about noon & later collected a few insects by sweeping along roadside at same place & along sheltered side of small overflow channel that drains southward into Arisaig bay.

Tabulated

25 insects sent to the [illegible] 29/10/41

Roadside 1 mile N. of Arisaig, W(?) I(mmmm) = W1
noon, & 3 till 4 P.M.

Bombus muscorum ♀♀ & ☿☿ frequent
B. lucorum ♀♀ & ☿☿, only a few
B. hortorum 1 torpid ♀ at "Skye view"
Psithyrus barbutellus 1♀, v. fresh, at same spot as last.
Andrena tarsata 1♂.
A. fucata 1 faded ♀.
Halictus albipes 1♀

Diptera

Nomada flavoguttata 1♀, var. with no yellow spots on abdomen.

239.

8.7.39 cont. Arisaig district, cont.
Pompilid. red. 1 or seen in grass by road at noon.
Crabro varius. frequent on sweep in overflow channel
Sawfly:– Selandria morio 1♀.
Phaeogenes 1♀. Cryptine ♂, with 24-seg. ant.
Pezomachus [illegible] ? 1♂. Hemiteles small sp. 1♂.
"Polysphincta" subnuda Holmgr. One beautiful ♀ with 32-seg. ant.
This sp. is really a Polyblastus I think. J.F.P.
Angitia ? sp. ? 1♀, antennae broken (?).
Angitia ?? sp. ? 1♂, antennae 32-segmented.
Mesochorus sp. 1♀, with 37-seg. ant.
Apanteles sp. 1♂. Euphorus pallidistigma ? 1♂ 1♀ small with 16-seg. antennae.
Aspilota ~~[illegible]~~ vulgaris ? nih. 1♂, 1♀, with 22 & 19 seg. ant.
Proctos. 5.

Heard a Corncrake near outlet of Allt Cam on 7th & another near Arisaig on 8th: the first heard during the trip.
Saw 1♂ Common Blue, a few Small Heath & Meadow Brown, one faded Euphrosyne on 8th.
"Moonwort", Thalictrum dunense? very common on roads. & Orchis purpurella?, O. elodes, hybrids, Habenaria viridis & H. conopsea seen. Empetrum very fine at sea level, but no Arctostaphylos seen.

9th July 1939. Mainly fair after a very wet & stormy night, wind very strong W-NW, slight drizzle at times in morning, but afternoon fine & some hot sun.

In forenoon walked along shore past Millburn Cottage almost to Arisaig old pier but did not collect.

In afternoon did best to sweep in woods of the Strath of Arisaig, but in shelter everything still dripping & most insects very scarce.

Snail Arianta arbustorum & one ½ grown Helix nemoralis found between [illegible] & where road along shore leaves Arisaig.

NB. I think nemoralis rather than hortensis, but not absolutely sure!! AWS.

Strath of Arisaig 2.30 till 5.30 P.M.

1 = woods N. of Mr Nicholson's house (not Arisaig House!)
2 = shore & edge of woods S. of house

77 from (1) & 39 from (2) labelled 1/11/41 et seq. ! AWS.

Bombus muscorum 6 or 7 ♀♀ & ☿☿

B. lucorum 1 ☿ on roadside (with band of [illegible] on abd. rather than [illegible] middle [illegible] that in B. [illegible])

Spilomena troglodytes 1 ♀ swept off birch or hazel thus extending the known range of this species another 80 (?) miles further north.

9.7.39 cont. Strath of Arisaig cont

Myrmica ruginodis } both frequently swept
Formica fusca } at 1 & 2.

[F. rufa Two nests seen by George & [illegible] on roadside towards Arisaig House]

Pachyprotasis antennata ♂ seen at 2.

Selandria serva 1♂ & 2 ♀♀ (also 1♂ at 1) on shore in marsh at 2.

Athalia cordata? 3 ♂♂ at 1, & some also seen at 2 but not swept.

[illegible] at 2 = Pristiphora pallidiventris ♀.

Two Hover Flies at 1 = { 3 small Dip. at 2 = {

[illegible] ? [illegible] with black [illegible], 1♂ at 1 (or [illegible]).

[illegible] ? ♀ [illegible] at 1. [illegible] ♀ [illegible] at 2, [illegible]

Hemiteles [illegible] ♂ at 1. H. sp. small ♂, [illegible] at [illegible]

H. sp. ♂, 32-seg. ant. at 1. H. sp. small ♀, 20-seg. ant. at 1.

Lepton... [illegible] ? 1 ♀ at 1. [illegible] ? sp. ? [illegible] 1♂, 1♀ at 2, with 22(?)-seg. ant.

[illegible] ? spp. ? 2 ♂♂ at 2, one with yellow scape & 24-seg. ant., the other with [illegible]-seg. ant.

[illegible] ?! small ♂, with [illegible] at 1 & 25-seg. ant. Stilpnus [illegible] ? 1♂, [illegible] at 1.

[illegible] sp. 1♂ at 1, with 24-seg. ant. [illegible] sp. 1♂ at 2, with [illegible]-seg. ant.

Helicon... [illegible] alternator ♂. Glypta [illegible] 1 [illegible] ♂ at 2.

[illegible] ? 1 [illegible] ♀ at 1. [illegible] 1♀ ([illegible]) at 1.

Homocidus [illegible] 1♂ at 1. [illegible] 1♂ at 2, with 39-seg. ant.

[illegible] ? 1 [illegible] ♂, with 37-seg. ant. [illegible] at 1.

[illegible] 1♀ at 1. [illegible] 2 ♂♂ at 2. [illegible] 1♂ at 2.

[illegible] ? sp. ♀ 1♀ at 2. [illegible] ? sp. 1♂ at 1. [illegible] ? sp. 2 ♀♀ at 1 & 3 ♀♀ at 2 with 24, [illegible], 25, 25 & 27-seg. ant.

9.7.39 cont. Strath of Arisaig cont.

Halictus [illegible] 1♂ at 1. [illegible] ♀ at 1. [illegible]

Bracon sp., very small ♂, small 2-toothed. B. discoideus? 1♀ at 1, [illegible]

Colastes braconius, 1 small ♀ at 1. [Male, with [illegible] taken at 1 [illegible] or Opius]

Aspilota sp. of [illegible] 3♀♀ at 1. A. [illegible]? 1♀ at 2.

A. [illegible] 1♂, 1♀ at 2. Microgaster [illegible]

Calyptus sp. nov [illegible]

Opius cingulatus 1♀ at 1, with 33-seg. ant. O. [illegible] 1♀ at 2, 33 seg. ant.

Aphaereta cephalotes, 1♀ at 2. Phaenocarpa rufipes 1♂ at 1, 2♂♂ at 2.

Aspilota praecipua ♂ at 1, ant 33. A. atra mihi ♂ at 1, ant 27. A. sp.? ♂ at 2, [illegible]

A. new [illegible] mihi, [illegible] 1♀ at 1, ant 18. A. sp. vulgaris mihi 1♀ at 2, ant. 18 seg.

A. [illegible] mihi, 1♀ with 16, & another (♂) with more than 17-segmented ant., both at 1. A. sp. vulgaris mihi 1♂, 1♀ at 2, [illegible]

A. sp. near vulgaris? but [illegible] 22 seg ant. 1♂ at 2. A. [illegible] mihi [illegible] with 15, 14 & 22 seg. ant. respectively

Dacnusa areolaris 1♀, ant. 21-seg. at 1. D. [illegible] 1♀, 23 seg ant. at 1, & a ♀ at 2, with 22 seg. ant.

Coelinius parvicornis? 1 little ♀, with long head & only 32 seg ant, at 1.

Praon volucre? 1♂ at 1, 32 seg ant. Aphidius avenae? 1♂, 2♀♀ at 2, [illegible] 20, 18 & 15 seg ant. resp.

Phaenoserphus ♂ at 2 =

Proctos 2 – all at 1 =

Cynipids. 4 at 1 =

Chalcids. 1 at 1 & 4 at 2 =

Beetles. (given E. O'Mahony).

[illegible]

18th July 1939. A fine day, but after some [illegible] till about noon, quite dull with cool breeze from NW. Went by 10.48 train from Arisaig to Morar & after visiting the Falls of Morar walked up the N side of Loch Morar to Bracora & ascended hill to N. Then returned via pine plantation to road & collected at intervals in this & under birch – oak wood beside road back to falls. Insects by no means common but vegetation for once quite dry. [122 specimens taken & then labelled 11/11/40 [illegible]]

N. shore of Loch Morar 11.30 till 5.30.

Bombus lucorum ♀♀ & ☿☿ frequent

B. muscorum ♀♀ & ☿☿ common

B. jonellus ♀♀ frequent on hillside above Bracora

Psithyrus [illegible] 1♀ on roadside.

Andrena coitana 1♂ near Morar falls.

Halictus [illegible] ♀ on bramble in pine [illegible]

Crabro varius 1♂

Vespa austriaca 1♀ at 5 P.M. by roadside.

Myrmica ruginodis } both frequently

Formica fusca } [illegible]

Grayling Butterfly [illegible]

10.7.39 cont. Loch Morar cont. West Inverness = 97!

Aneteon sp. ♂

2 Saphra = [illegible] pygmaea ♀ & Pachyneuron [illegible] ♀.

Pezomachus red sp. ♂, winged, 24 seg. ant.

P. black sp. ♀, smaller than [illegible], 19 seg. ant.

Hemiteles [illegible] 2 ♂♂. H. [illegible] sp. 1♂.

Phygadeuon?? 3♂♂, with 20, 21 & 22 seg. ant. respectively; 3 spp.?

=

Phygadeuon sp. 1♀, small, red & black, 19-seg. ant.

Cryptus? ♂, yellow scutellum, 28-seg. ant. =

Chasmias sp. red ♂.

Tryphon incestus? 1♂, 35 seg. ant.

Polyblastus?? large red & black ♂, 38 seg. ant., yellow annulated hind tibiae.

Perilissus [illegible]?? 1 (♂?), 45 seg. ant.

Angitia? 3♂♂ of 2 spp., with 28, & 26 & 26 seg. ant. respectively.

Omorga? 1 nice ♀, red black & white hind legs, 25 seg. ant.

Porizon [illegible]? 1♂, with 27 seg. ant.

Plectiscus sp. 1♂, 1♀, ± testaceous, ?same sp., with 21-seg. ant. (both).

Spathius rubidus? 1 very small ♂, with 24-seg. ant.

Acoelius subfasciatus ♂. Apanteles of fulvipes 1♀.

Euphorus pallidistigma 2 (? sex), 16-seg. ant. Opius irregularis 2♀♀ with 23-24-seg. antennae.

Adelura florimela ♀, 28-seg. ant.

Orthostigma [illegible] ♂, 22-seg. ant.

10.7.39 cont. Loch Morar cont. West Inverness = 97.

Aspilota spp. 13 specimens (7♂♂ & 6♀♀) as follows:—

= A. atra mihi? ♂ with 28-seg. ant., but very long & parallel-sided 3rd cubital areolet

A. atra mihi ♀, 24 seg. ant., typical neuration! A. clara mihi ♂ 22 seg. ant., agrees with the types.

A. falsifica mihi? ♀, agrees well, but ant. only 19 segs & propodeum [illegible] smooth.

A. [illegible] mihi? ♀, ant. broken. A. nigrescens mihi? 2♂♂, both 21-seg. ant.

A. rufipes mihi 1♀, small, 15 seg. ant. A. ~~[illegible] mihi~~ dentifemura mihi! ANS 4.5.1942 & vulgaris mihi 1♀ each, both with 18 seg. ant.

A. sp.? (1♂, slender 20-seg. ant. & 1 (?♀) crushed abdomen & 15 seg. ant. = dentifemura ♂ ANS 4.5.1942.

A. (Synaldis) acuta = distincta? n. sp. ♀ Type, large head like [illegible], 17-seg. ant. — central cone of mandible long & acute — hence name ANS. 18/10/1941.

Dacnusa [illegible], n. sp., small ♂ (damaged) with 1st abscissa of radius not quite obsolete [illegible].

D. melanocera 3 very small, nice ♀♀ with 22, 24 & 25 seg. ant.

D. areolaris a very nice ♀, with 35-seg. ant. D. tarsalis a nice ♀, with 33 seg. ant.

D. pubescens 1♂, 25 seg. ant. Coelinius? "n. sp. of Stelfox" ♂, small, 35 seg. ant.

[illegible] small ♀. [illegible]? 1♀

Proctos. 32 specimens = [illegible] ♂, Phaenoserphus pallipes & calcar 10♂♂ each & Cryptoserphus aculeator 1♀ (ANS. 13/10/41).

P.T.O.

10.7.39 cont. Loch Morar cont

Collected 5 =

Cynipid:

Bathm 9, [illegible], 3 [illegible] [illegible], [illegible] in Scotland, but not recorded for Ireland — might occur in Donegal, etc. [illegible].

11th July 1939. A very fine morning with some hot sun, then dull & turning to drizzling showers at 2.30, which lasted till 3.30, then gradually finer & cooler. A very good day spoiled to some extent by the rain.

Walked by road to Beasdale & on to shore of Loch-nan-Uamh. Collected at intervals between Arisaig & Beasdale station (=1) & beyond Beasdale St — several places under oak-birch & alder scrub, mostly in sheltered damp places, both before & after rain.

11th July 1939 contd. Arisaig to Beasdale cont (Note)

65 insects from 1 and 170 from 2 labelled respectively:—

1. roadside A. to Beasdale = A-Beasdale W1. AWS. 11.7.39

and

2. Coast, etc., S of Beasdale = Beasdale W1. AWS 11.7.39

Bombus lucorum many ♀♀, & a few ☿☿

B. muscorum ♀♀ & ☿☿ frequent

B. hortorum at least six ♀♀ seen at foxglove, & possibly a ☿ also at same flower.

Psithyrus distinctus 1 ♂ on bramble at 1.

Andrena [illegible] 1 ♀ on buttercup at 1.

Vespa rufa ☿ at 1, very red variety.

Crabro [illegible] 2 ♀♀ at 1, [illegible]

Formica rufa at 1. 3 ☿☿ kept. Myrmica ruginodis & scabrinodis 1 ☿, [illegible] at 2, kept.

Ten Diptera =

Sawflies 2 = Pachyprotasis [illegible] ♀ at 1; Dolerus [illegible] 1 ♀ at 2.

Athalia lugens 1 ♀ at 2. A. lineolata 1 ♀ at 2.

[illegible] [illegible] 1 ♂ at 2, antennae pale banded, 24 mm.

[illegible] 1 ♀ at 2, [illegible] 23 mm ext.

[illegible] [illegible] 1 ♀. [illegible] 1 ♂, [illegible] 35 mm ext at 2

[illegible] 20 ♂ at 2, [illegible] 26 mm ext.

13 other Cryptinae ([illegible]): 6 at 1, 7 at 2 as follows

11.7.39 cont. Arriving to Brandale, cont.

Eryphus sub. Sp. 1 1♂ at 1, with 26-seg. ant.

Sp. 2 1♂ at 2, with 25-seg. ant. Sp. 3 4♂♂ at 2 & 3, 22 & 23-segment [illegible]

Sp. 4 1♂ at 2, with 22-seg. ant. Sp. 5 2♂♂ at 1, with 22 & 23-seg. ant.

Sp. 6 1♂ at 1, with 21-seg. ant. Sp. 7 1♂ at 2, with 20-seg. ant.

Sp. 8 1♂ at 2, with 23-seg. ant. (See also at foot of page.)

Glypta [illegible] 1♂ at 1. Eccoptura [illegible] ♂ at 2; in cell

[illegible] rostratus, 1 [illegible] at 1.

Stenomacrus ([illegible]) [illegible] sp. [illegible] 1♀ at 1, 20-seg. ant., nearly [illegible] (but possibly [illegible]) semi-flattened head, [illegible] very [illegible], [illegible] of [illegible] 1/2 length, and [illegible] whitish [illegible] ([illegible])

Tryphon sp. [illegible] ♂ at 2. Polyblastus sp. [illegible] 1♂ at 2

Mesoleptus sp.? ♂ at 2.

Mesoleius? sp.? red, [illegible], abdomen, 27-seg. ant., [illegible] black. 1♀ at 2

Phobetes leptocerus? ♂ at 1. Parania (Perilissus) [illegible]? 1♂ at 2

Mesochorus sp. 2♂♂, at 1 & 2.

Campoplegidae 3 at 1, 5 at 2 :— Sp. 1. 2♂♂ at 1, 1♂, 1♀, at 2.

Sp. 2 ♀ at 1. Sp. 3 ♂ at 2. Sp. 4 ♂ at 2.

Sp. 5 ♀ at 2. Aperileptus albipalpus? ♂ at 2.

Plectiscus [illegible] ♀ at 2.

Proclitus paganus? ♀ at 1.

Adelognathus dorsalis? ♂ at 2.

¹ Also at 2 2♂♂ Eryphus, 1♂, 1♀ Campoplegid [illegible].

11.7.39 cont. Arriving to Brandale cont.

Bracon [illegible]? 1♀ at 1 [illegible] at 2. Bracon [illegible]? 1♀, 22-seg. antennae, at 2

B. sp. [illegible], 26-seg. ant., head partly [illegible], [illegible] at 1

[illegible] ♂ at 1, with 30-seg. ant.

[illegible]? 1♂ at 2. [illegible] ♂ (?) at 1.

[illegible] of [illegible] 2♂♂ at 1, 1♀ at 2. [illegible] sp. [illegible] ♂ at 1

[illegible] ♀ at 2. [illegible]? 1♀ at 1

Microplitis [illegible], [illegible] ♀, at 1

Euphorus pallidistigma? 4 (3♀♀), [illegible] ([illegible]), at 2.

E. pallipes 2 at 1, 1 at 2. Perilitus sp. 2♀♀, with [illegible]-seg. ant. at 2

[illegible] ♂, 2♂♀ at 2. Opius [illegible]? ♂ at 1, 5♂♂ ([illegible]) + 1♀ at 2.

Opius [illegible]? 1♂ at 2, 25-seg. ant. O. [illegible]? 1♀ at 1, with 31-seg. ant.

O. [illegible]? small ♀, 27-seg. ant. at 2. O. [illegible] ♂, 1♀ at 2, with 23 & 25-seg. antennae resp.

Alysia? sp. [illegible] 1♂ at 2, near [illegible] but with large, [illegible] circular

[illegible] 36-seg. ant. [illegible] collection.

Alysia [illegible] 1 typical ♂, black abdomen, 48-seg. ant. at 1

Aspilota [illegible]; large ♀ at 2 with 23-seg. ant. A. sp.? 4♂♂ ([illegible]), 1♀ ([illegible]) at 2. [illegible]

A. sp.? 1♀ ([illegible]) at 2, [illegible] A. sp.? 2♂♀ at 2 ([illegible]), [illegible]

A. sp.? 2♂♂ ([illegible] 18 & 19), 1♀ ([illegible] 17) at 2, with large head & [illegible]. A. sp.? 1♂ at 2, [illegible] ([illegible] 18) [illegible]

A. [illegible] 2♂♂ at 2 ([illegible] 15 & 18). A. [illegible]: 2 [illegible] ♂♂ at 2 ([illegible] 20, 21 & 21).

A. [illegible]? 1♂, 1♀ at 2 ([illegible] 20 & 17 [illegible]). A. sp. ♂ at 2 ([illegible] 18)

A. sp.? 1 small ♀ [illegible] ([illegible] 16) at 2.

A. ([illegible]) sp. [illegible]? 1♂ ([illegible] 20) at 2.

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11.7.39 cont. Arisaig to Borrodale cont.

Dacnusa of sea thistle, but smaller: 1♂ (ant. 35) at 2

D. cythera Nixon 1♂ at 1 (ant. 32) & 1♂ at 2 (32). D. stricta 2♂♂ at 2 (ant. 27 & 28)

D. gracilis — not agreeing (large form) — Nixon, 1 fem. ♀ (?) at 2 (ant. 34). D. melanocera 1♂, ♀ at 1 (ant. 23 & 24)

D. ocyroe Nix.? 1♂ at 2 (ant. 28). D. faeliciana 1♂ at 2 (ant. 24)

D. longiradialis 1♂ at 1 (ant. 23). D. maculipes? 1♂, ♀ at 1 (ant. 23 & 22)

D. cf confinis Ruthe? 1♀ (ant. 23); legs darker, stigma narrower, at 2.

D. laevipes?? 2♂♂, 1♀ at 2, not areolaris, but only 21–24 ant. in all three

D. areolaris? 4♀♀ at 1 (ant. 20, 23, 22 & 22); also 4♂♂, 2♀♀ at 2, all very small & (ant. 19, 19, 20, 20, 21 & 21)

D. sp. 1 small ♀ at 1 (ant. 22). Chaenusa conjungens 1♂ & 1♀ at 2 (ant. 20)

Ephedrus lacertosus 3♀♀ at 1. Praon volucre 1♂ at 1 (ant. 24)

Praon abjectum? 1♀ at 1 (ant. 16). Ephedrus ater? 1♂, 1♀ at 1 (ant. 21 & 18) very large.

Ephedrus [illegible]?? 1♂ at 1 (ant. 15).

Bracon 6 at 1, 36 at 2: — Exallonyx niger 2♀♀ at 2.

Chalcids. 2 at 1, 5 at 2. —

Cynipids 1 at 1, 2 at 2. —

Proctos 2 (1 at 1, 1 at 2). —

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12th July 1939. Floods of rain from 2 P.M. [till after breakfast on 13th], 2½ inches said to have fallen in Arisaig, the rain never slackening, with SW wind all day. Could not go out & spent day setting insects, &c.

13th July 1939. Rain ceased about 11 A.M. & after finishing setting, packed up two boxes of insects & posting same to F.O. Merton. (Delivered — 9½ at noon 17/7/39 "AWS") Then walked to the old pier of Arisaig at Rhu, but frequent showers of rain made any collecting impossible until about 2.30 P.M. when a lot of sun brought out some insects & about a dozen taken with net in sitting sea-weed S. of old pier. On return about 5 P.M. discovered a number of bees on hazel scrub by road track E. of pier. These brought out by sunshine had not returned, but were about on flowers of Hieracium sp. Greenveined White & Meadow Brown Butterflies both seen, the former near Arisaig & the latter common all the way. The first of Halictus seen of the season at hazel scrub.

13th July 1939 cont. Arisaig - Rhu, cont.
[24 specimens left & these labelled "Rhu" on 28/4/41 AWS]

Bombus lucorum ☿☿ & ♂♂ many; rare.
B. muscorum ☿☿, a few faded, seen.
B. jonellus several ☿☿ near Rhu.
Andrena fuscipes [illegible] 10♀♀ at heather.
A. coitana 10♀ on Hieracium at base.
Halictus [illegible] ♂♂ on Hieracium on banks.
Athalia lineolata? 1♂, near pier at Rhu.
Eristalis [illegible] 1♂ [illegible] on [illegible].
Platylabus dimidiatus 1♂.
Phygadeuon or Hemiteles? small ♂ on sea-weed, with 18 seg. ant.
Phygadeuon? sp. ♂♂ & ♀♀ common on
piles of decaying sea-weed in 1st cove
S. of pier at Rhu, dancing but [illegible].
Hemiteles sp. 1♂ with [illegible], others near
on sea-weed, with 19 seg. ant.
Mesoleptus [illegible] ♀ with red on mesonotum, scutellum
& sides of thorax, quite unlike Irish specimens which are without
red!
Syndipnus lateralis? 1♀.
[Buzzard seen about ½ mile E. of Rhu pier on return
Hemiptera: Salda sp. among sea-weed.

14th July 1939. Raining from 8am till 2.30 pm
when we left Arisaig for Glasgow & home.
George left Arisaig by 8.32 am train & travelling
by Glasgow, Stranraer & Larne spent night
in Belfast & [illegible] in [illegible] morning.
We left by 2.37 train to Glasgow & arrived
in Belfast by direct steamer at 7am.
We caught 8.15 train for Dublin & reached
home at 11.20. Did not collect on
either day.

END OF 1939 TRIP TO
SCOTLAND.

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16th July 1939. Warm & very damp, with rain about 10 AM & thunder later in the day to the west. Did not go out in car.
Spent afternoon in garden
14 Clareville Rd., Harold's Cross, Dublin,
& saw or took :—
Bombus lucorum ☿☿ frequent
B. hortorum 1 ☿ on snapdragon.
B. muscorum 1 ☿ on Erica tetralix flowers
B. agrorum ☿☿ frequent
Andrena [illegible] 1 ♀, pollen laden: 2nd brood.
Halictus smeathmanellus 1♂ 1♀, very fresh.
Megachile willughbiella 1♂ in [illegible]
& 1♀ at Campanula flowers
Spilomena troglodytes 1♀.
Crabro varius, a few seen
C. leucostomus several seen
C. clavipes 2 seen.
Vespa germanica ☿ on post.

Sawfly. =

16.7.39 cont. Garden, Harold's Cross, Dublin, cont.

Pimpla maculator 1♂
Homocidus nigritarsis 1♂

Apanteles infimus ? 1♀
Apanteles glomeratus 1♂
Dacnusa areolaris ? 1♀, 22 [illegible] cut

Omorga 1♂, 1♀

Olesicampe ? 1♀.

[16.7.39. E. O'Mahony took a ♂ Campoplegid on Lambay, Co. Dublin.
=
]

23rd July 1939. Mixed weather, strong W.-SW wind at times, heavy showers at 10 AM, noon, 1.30, 6.0 & 8.0 PM, but very hot sun – less wind between showers in afternoon. Very many insects out, especially Ichns, but Braconids scarce in open & vegetation too wet to sweep in shelter.

Drove to Glen of Imaal & up road between R. Slaney & Little Slaney, N. of Coan. There collected where possible between Camara Bros Road & ford over the Slaney, chiefly in & in lee of various plantations of mixed trees.

Coan, Glen of Imaal, Co. Wl. [illegible]

1 = before tea (4.0 PM)
2 = after tea

[60 kept from 1 & 53 from 2 then labelled 11/1/41 at req. [illegible]]

Bombus lucorum numerous, ♀♀ only.
B. jonellus 1 ♀ worn | Anteon 1♂ at 1. | A. 1♂ at 1.
B. agrorum numerous, mostly ♀♀
Tenthredopsis nassata 1♂ & 1♀, darker one at 1. Selandria morio ♂ at 1, ? 2nd brood
Priophorus ♀ at 1 (? P. padi ?). Pteronidea dispar ?? 1♂ at 1
Pachyprotasis rapae 1♀ at 2.
Stenichneumon culpatorius 1♀ at 2. St. [illegible] 1♂ at 2.
Barichneumon [illegible] 1♂ at 2 Bar. [illegible] 1♂ at 2

23.7.39 Coan, Co. Wl., cont.

[illegible] 1♀ at 1. [illegible] 1♀ at 1. Cryptus ♂ at 2 =
Phygadeuon ? 1♀ at 1 Hemiteles 2♀ [illegible] H. ? [illegible]
Hemiteles of [illegible] 1♀ at 1. H. [illegible] 1♀ at 1 H. [illegible] 1♀ at 1.
Pezomachus [illegible] ♂ at 1. P. [illegible] at 2. P. [illegible] at 2.
Cryptus [illegible] 1♂ at 2. [illegible] at 2 [illegible] 1♂ at 1.
Pimpla [illegible] at 2. P. [illegible] at 2. [illegible]
Lissonota cylindrator ♀ at 2. L. [illegible] at 2 L. [illegible] 1♂ at [illegible]
L. [illegible] 1♀ at 1. Phytodietus [illegible] 1♂ at 2. [illegible]
[illegible] 1♀ at 1. M. [illegible] 1♀ at 2. [illegible] 1♀ at 2
[illegible] 1♂ at 2 [illegible] 1♂ at 2.
[illegible] 1♀ at 1 [illegible] 1♂ at 2
[illegible] 1♂ at 2. [illegible] 1♂ at 1
Sychnoleter [illegible] 1♂ at 1.
[illegible] 1♂, 2♀♀ at 2 1♀ at 1 [illegible]
[illegible] 1♀ at 1 [illegible] 1♀ at 1.
[illegible] 1♂ at 1.
[illegible] 1♂ at 2. [illegible] 1♀ at 2
[illegible] 1♀ at 2. [illegible] 1♂ at 1
[illegible] (but broken) 1♀ at 1.

[illegible] 2♂♂, 1♀ at 1, 1♂ at 2
Rhyssa [illegible] 1♂ at 1
[illegible] 3♂♂ at 2 [illegible] 1♀ at 1
[illegible] 1♂ at 2 [illegible] 1♂ at 2
Metopius [illegible] 1♀ at 1 M. [illegible] 1♀ at 1 & 1♀ at 2.
[illegible] 1♀ at 2.
[illegible] 1♂ at 1

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23.7.39 cont   Coan, Co. Wl., cont.

Allocea contracta 1♀ at 1. Rhamcerpe compuscula 1♀, small
Cyphilota atra (Klein?) 1♀, 24 sq. at 1. G. vulgaris ? 1♂, cut. 32, at 1,
G. rufipes, large, 3♂♂, cut. 19, 20 & 20. at 1. G. mimetonis ? ♀ at 1, cut 15,
G. crassifemur ? 1♂ cut 25, at 1.
G. crassicornis Th. ? 1♂, 1♀, cut 32 & 27 sq. cut at 2 (very large!)
G. atra (pro? mentor) 1♂, 30 sq. cut at 2. G. crassifemur ? small 1♀, cut 9 at 2
G. crassifemur ? 1♂, very large, 24, at 2. G. crassipes ? 1♀, cut 9 at 2
G. rufipes 2♂♂ cut 18 & 16, at 2. G. mimetonis ? 1♀, cut 16, at 2
G. sp. ? 1♂, very small, cut 17, at 2

Dyacmama discolor ? 1♂, nice ♀ at 1.

Proctos. 10 at 1, & 1 at 2 =

Chalcids 1 at 1 & 1 at 2.
Dipteron Beris fuscipes Mg. ♂ at 2.
9445.12.1.941.
[During heavy shower on return journey (23.7.39, P.M.) took 3 ich. under trees at Tinnode, Co. Wl. = Diaclis carinatus ? 1♀, Olesicampe ? 1♀ & Mesochorus 1♂]
[E. O'Mahony took 2♀ Ophion ... from nest of a Bombus (Bombus species) on 23.7.39, taken earlier at St. Anne's, Clontarf, Co. Du.]
[E. O'Mahony took a ♂ Bombus distinguendus in St. Anne's, Clontarf, which was picked up very worn, on 25.7.39 in evening, sitting on flowers.]

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26th July 1939. A fine day but fairly dull & sultry threatening till nearly 7 P.M., then cleared away; warm, most of the day.
Insects plentiful in spite, few or others & vegetation still decidedly wet after previous days' showers.

Glenasmole, Co. Du. 2.30 till 7.30 P.M.
1 = flat at head of upper reservoir
2 = W side of same, about below dam on rt. bank of river.
3 = under trees on left bank of river S of Moore's house
most insects taken at 1, a few seen at 2 & 3.

[46 specimens taken from 1, 11 from 2 & 8 from 3. Those labelled 18 & 41 at 2 ...]

Bombus lucorum ♀♀ abundant & 1♂ seen
B. pratorum ♂♂ ♀ seen on bramble at 2
B. hortorum 1 worn ♀ seen at 3
B. agrorum ♀♀ very common
B. muscorum 1♀ seen at 2
B. lapidarius or derhamellus (? which) 1♀ seen at 2
Psithyrus campestris 1 black ♀ at 1; others seen.
Ammophila campestris ♀, with prey prowling, a caterpillar, under beech tree, when leaving it, at 1.

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26 7 39 cont. Glenasmole, Du. cont.
Tenthredo 'arcuata' frequent, seen on flowers.
An Athalia & probably Selandria seen or also seen.

Cf. [illegible] ? 1♂ at 1.
Cratocryptus ?? 1 small ♂ at 1, very small, [illegible].
Microcryptus ?? 1♀ at 2 M. ?? ♀ at 3
Pimpla examinator ? 1 very small ♂ at 3
P. flavicans ? 1 small ♂ at 2 & a large ♂ at 3.
Glypta rostrata 1 red ♂ at 1 G. elongata 1 red ♀ at 1.
Phytodietus 1♀ at 1.
[illegible] [illegible] ? 2♂♂ at 1.
Homocidus [illegible] 1 nice ♀ at 1.
Mesoleius 1 at 2.
Mesoleptus cingulatus 1♀ at 3
"Tryphon" elongator 1♀ at 1.
Campoplex 1♀ at 1.
"Diadegma" crassicornis 1♀ at 1.
[illegible] [illegible] ? 2♀♀ at 2, 1♀ at 3.
Bracon variator 1♀ at 1, ant. 26 segmented
B. cf. fumator ? 3♂♂, 1♀ at 1, ant. 36, 35, 36 & 30 seg respectively.
B. epitriptus ? 1♀ at 2, ant 27 seg.
Colastes braconius 1 large ♀ at 3.

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26 7 39 cont. Glenasmole, Du., cont.
[illegible] [illegible] ? 1♀ at 1; also ? 1♂ [illegible] at 1.
C. falcatus ? 1♀ at 2.
Macrocentrus marginator ? 1♀ at 1 M. [illegible] ? 1♂ 1♀ at 1.
Agathis anglica 1♂ at 1.
[illegible] crassiformis ? 1♀ at 2
C.
C. ([illegible]) [illegible] ? 1♂ at 1, 19-seg ant.

1. Dacnusa petiolata-rogers 4♂♂, 5♀♀ kept & no doubt abundant, also mixed with an abundance of D. cubitalis from which it is at once separated in bulk, by its whiter & darker wings & much shorter antennae: at 1
D. cubitalis ♂♂ & ♀♀ at 1: also others at 2
D. erythrura 1♂, 32-seg ant. D.
D. sp.? near affinis but much longer & very slender petiole & very cubical head, ♂, 29-seg ant. 1♂ at 1
D. [illegible] 2♀♀ with 23 & 24 seg ant., but not numbers mixed with cubitalis, at 1.

Aphidius avenae ? 1♀, 18-seg ant., [illegible], red [illegible] at 2.
Praon 1 at 1, 1 at 2 & 2 at 3 =

30th July 1939. A fine day spoiled for collecting by heavy shower at noon, 1.30 & 3.0 P.M. West wind, warm & lots of insects in shelter, but vegetation dripping after first shower. Drove to Drogheda, up Boyne & home via Slane. I collected about New Bridge & King William's Glen, while George took his friend "Jock" Stewart to see Newgrange tumulus.

R. Boyne & King William's Glen
Cos. ME & LH.

1 = by disused canal above New Bridge, Co. ME. 11.30 till shower at noon.
2 = left bank of R. Boyne just below & just above New Bridge, Co. LH, 1.30 till 2.0 P.M.
3 = roadside under trees, &c., King William's Glen, Co. LH. 2.0 P.M. till shower at 3 P.M.

[illegible] 2 ♀♀ at 2.
Barichneumon albicinctus? ♂ at 1, ? dark legged var of this sp.
Epitomus pygmaeus ♂ at 3.
Exolytus : ♂ at 1
Hemiteles ♂ at 3, very small sp.

30/7/39 contd. R. Boyne, &c. ME & LH. contd.
Leptocryptus pellucidator? ♀ at 1.
L. [illegible] ♀ at 1, [illegible]
Pimpla turionellae? ♂ & ♀ at 3.
Promethes sulcator ♂ & ♀ at 1.
P. dorsalis ♂ at 2.
Homocidus pallipes ♂ at 1. H. signatus ♀ at 1.
Campoplegidea : 2 ♀♀ of 2 spp. at 2.

Microplitis tuberculifera ♂ at 2.
Eubadizon extensor ♂ v. red, at 3.
Pygostolus sticticus ♀ at 3.
Blacus pygmaeus? ♂ at 2.
Diospilus oleraceus ♂ at 2.
Opius ulicis Nixon, ♂ at 2, 28 seg. ant., pale abd.
Alysia tipulae 1 ♂ at 2.
Phaenocarpa livida ♂ at 1. Adelura florimela ♀ at 2.
Orthostigma curvicaudatum ♂ at 3.
Aspilota tumida n.sp. ♀ at 2: Type! AWS, 11.12.1941. Like ruficornis, but with narrower [illegible], tumid post-petiole, 18 seg. ant., less rugose mesonotum, crested propodeum, &c.
Aspilota spp. 2 ♂♂, 2 ♀♀ at 2, as follows:—
= A. vulgaris, 1 ♂, ant. 24 seg. + 1 ♀, ant. 18. A. rufata? {1 ♂ large, dark coloration, 19 seg. ant. ? this sp. 1 ♀ small, very slender, 15-16 seg. ant. ? this species
A. vulgaris? 1 large ♀, all 19 seg. ant. at 1.

30.7.39 contd R Boyne, &c, ME & LH contd.
~~[illegible]~~

Dacnusa spp. 5 at 1, 7 at 2, as follows:—
= D. [illegible] Nixon a beautiful ♀ at 1. D. gilvipes ♂ at 1.
D. ovalis ♂ at 1. D. laevipectus 1♀, 24 seg. ant. at 1.
D. [illegible] ♂ at 1. D. lateralis ♂ at 2.
D. ovalis ♂ at 2. D. gilvipes ♂ & ♀ at 2
D. [illegible] ♀ at 2. D. laevipectus ♀ at 2.
D. [illegible] Nixon a beautiful ♀ at 2.

Chaenusa conjungens ♂ at 2. Coelinius [illegible]? ♂ at 2, 20-24 seg. ant.
Proctos. 1 at 1, 1 at 2, & [illegible] at 3. =

Chalcid 1 at 2 =

Diptera: 3 at 3. = {
- Oxycera formosa ♀
- Ascia podagrica ♀
- [illegible] ♀
}

Taken at Broad Bay, Lambay, Co. Dublin by C. O'Mahony, on 31.7.39
Bracon [illegible] 1♀.
Procto. 1

– also first ♀ of Bombus hortorum.
3 Aug. 1939. Saw Pemphredon lugubris (? ♀) in garden 14 [illegible] Rd., at 6 P.M. No [illegible] since about 20 July.

4th August 1939. The second fine day after very bad weather & dreadful rain on 2nd. Strong NE–E wind, with [illegible] hot sun.

Drove in afternoon to Naas railway just west of Sallins, then on to R. Liffey near Osberstown Ho., there and [illegible], then to Landenstown House by Grand Canal, about 3 miles NW of Sallins, all Co. KD. 2.30 till 7.30 P.M.

W. of Sallins, Co. KD.

97 from 1 and 2 entitled W. of Sallins AWS 18/12/41.

1 = Swamp at at NW corner of bridge over Naas railway about ½ mile S. of Sallins. 3.30 – 4.0 P.M.
2 = Steep bank ~~[illegible]~~ between road & R. Liffey, 1 mile S.W. of Osberstown Ho. 4.30 till 5.30 P.M.

43 from 3 and 4 entitled Landenstown (1) and (2) 4/8/39. AWS 19/12/41.

3. = Plantation belt & roadside, S side of road, between Digby Bridge (on Grand Canal) & Landenstown Ho. 6.0 till 7.0 P.M. = Landenstown (1)
4. = N. side of road at same place, ditch, & swampy edge of canal just below lock on canal (S. bank of canal, just below Landenstown Ho. gate). 7.0 till 7.30. = Landenstown (2)

Landerstown and

4/8/39 cont. W. of Selling, E. K.D. cont.

Bombus lucorum & agrorum ♀♀ com.

B. lapidarius 1♀ com at 1.

Psithyrus campestris, black ♂♂ at 1

Halictus calceatus ♂♂ at 1

Vespa rufa ♀ at 1, very pale variety.

Athalia sp. (not taken) at 1 & 2.

Selandria serva ♀♀ at 2 & 3.

Tenthredella [illegible] 1♂ at bog bean at 4.

Cratichneumon ♂ at 1 or 2.

Cratichneumon ? ♂ at 1 or 2.

Phygadeuon ? sp? 2♂♂, of 2 spp., red abd., 20 mg ext at 4

Phygadeuon ? sp. ? 1 black ♂ at 1 or 2, ext. 24 mg

Hemiteles very small black [illegible] sp. 1♂ at 3, ext 30 mg ext

H. sp. very small, resembles [illegible] Stenomacrus, pale abd., [illegible], ext 15 mg at 3 ?

Pezomachus sp. 1♂, very red, at 1 or 2

Phygadeuon 1♀, black [illegible], very small, at 1 or 2, ext 17 mg

Phygadeuon ? 1 black ♂ at 1 or 2, ext. 15 mg

Leptocryptus red sp. 2♂♂, ext 25 mg ext at 1 or 2.

Glypta mensurator 3♀♀ at 4, 1 red, 1 black & 1 intermediate.

G. rostrata 1 black ♀ at 4. G. cf. [illegible] 1♀ at 1 or 2.

Landerstown and

4/8/39 cont. W. of Selling, cont. KD

Glypta [illegible] 1 large ♀ at 1 or 2, red legs, very long terebra.

Bassus [illegible] ? a very small ♀, [illegible] at 4.

B. annulatus 1 ♂ at 1 or 2

Zootrephes [illegible] 1♀ at 1 or 2, 2♀♀ at 4.

Phthorimus [illegible] 1 very large ♀ at 1 or 2.

Homocidus signatus ♀ at 4.

Polyblastus 1♂ at 4.

Perilissus 1♀ at 1 or 2. P. pallidus 1♂ at 1 or 2.

[illegible] [illegible] ? 1♀ at 1 or 2

Mesoleius sp. 1♀ at 1 or 2.

Campoplegidae ? = 'Angitia' exareolata ? 1♀ at 4.

Gen. et sp. ? 1♀ at 1 or 2

Cremastus infirmus ?? 1♀ at 4 =

Bracon sp. near fraudator, but legs dark, 2♀♀ at 1 or 2, 35 mg ext.

Rhogas irregularis ♀ at 4. R. [illegible] 1♂ at 1 or 2, [illegible] at 4. R. [illegible] at 1 or 2

Chelonus scutor 1♂ & 1♀ at 1 or 2, ext 20-22 mg ext.

Microgaster flavipes ♀ at 3. Microplitis mediana 1♀ at 1 or 2

Blacus ambulans 1♀ at 4.

Opius comatus ♀, 23 mg ext. at 1 or 2 (labelled 16/9/39).

O. pallipes [illegible] at 1 or 2 (labelled 16/9/39).

O. sp. near [illegible] & [illegible], 1♂ at 3, 31 mg ext., [illegible]

Alloea contracta 1♀ at 3. Pentapleura pumilio 1♂ at 1 or 2

Phaenocarpa flavipes ♂ at 3. Ph. [illegible] ♂ at 3. Adelura [illegible] ♂ at 3.

Landenstown and

4/8/39, cont. W. of Sallins, KD., cont.

Phaenocarpa eugenia 1 fine ♂ [illegible] at 1, & [illegible] at 2. [illegible] 18/2/4[illegible]. [illegible] 54-39 ent.

Phaenocarpa (?) ♂ with stigma-like vein at [illegible] margin of upper wing, identical with ♂ taken at Glending, KD., on 15/9/38, & therefore not a freak; taken by [illegible] at [illegible]. See also 23.8.39 p.292.

= Phaenocarpa (Rhopalonevra) nimia mihi. Proc. R.I.A. 47 B 1, 1941.

Aspilota ruficornis ♀, 16.39 ent. at 2. A. (Synaldis) concolor ? 1 ♀, 16.39 ent. at 4.

Dacnusa [illegible] 1 ♂ at 3. D. elegans 1 ♀ at 4.

D. longiradialis 1 ♀ at 3. D. [illegible] 1 ♀ at 4.

Praon volucre 2 fine ♀♀ at 4, with 1 ♀ 20.39 ent. [illegible] with Haliday's description.

Ephedrus [illegible] Hal. 1 very worn ♀ at 3, 16.39 ent.

Proctos. 2 at 1 or 2, 1 at 2, 1 at 4

= Exallonyx [illegible]: 1 ♀ at 3.

Cynipid at 3 =

Brachypteran Dipteron at 1 or 2 =

4.8.39. Collected by E. O'Mahony in "St. Annes", Clontarf, Dublin, about 8.30 p.m. Summer Time

Rhogas irregularis 1 ♀.

Apanteles sp. ♂ (not kept)

Blacus ~~tripudians~~ ruficornis seen dancing in the sunlight in plantation. Seven taken "at one sweep of the net" proved to comprise 5 ♂♂ & 2 ♀♀, thus supporting that ♀♀, as well as ♂♂, take part in the dance & not ♂♂ only as stated by Haliday & Marshall. I regret that these were not critically examined until 18/2/1942, when labelling, & then proved to belong to ruficornis, although recorded by me as tripudians ♂♂ in Proc. RIA. 46 B. 7, 1941.

[illegible] sp.? ♂, red abd., black hind femora.

Homocidus [illegible]: a very small black ♀.

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6th August 1939. After three fine days with [illegible] & a perfect morning, wind turned W. causing an intermittent drizzle, very slight, but enough to wet the vegetation, already soaking after a heavy night dew. Drove to Trim, but found vegetation along Boyne too damp to sweep, so then drove S. over Bray Hill, to Summerhill, Agher & on to Royal Canal at Ferns Lock, Co. ME, where collected for an hour & had lunch. Drizzle getting heavier & heavier all the time. So left & drove via Donadea & Prosperous to Grand Canal at Landenstown Ho. (as on 4/5/39!) & swept edge of canal & parallel drain S of same, both E. & W. of lock, for a couple of hours, but heavy drizzle at times made [illegible] [illegible] wet in open.

[illegible] 17/2/[illegible] AHS

N. bank of Royal Canal, W. of Ferns Lock, Co. ME. 1 till 2 P.M. (all swept along edge of canal)

Bembidion [illegible], [illegible], [illegible] (1), [illegible] (2 ♂♂)

[illegible] (5 ♀ & 10 ♂) & [illegible] seen

[illegible] [illegible] seen

Habitat [illegible] fresh [illegible] [illegible] sweeping.

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6.8.39 contd. R. Canal, Ferns Lock, contd. (ME).

[illegible] [illegible] [illegible] in Angelica by canal.

Riverdale

in the doings & lives
of everything around us &
so get so much more
interest in life
Again with many
thanks
Sincerely yours
Irene Briscoe

[illegible] Tryphon

[illegible] all examined

[illegible] 26.

[illegible] all [illegible] not kept

[illegible] [illegible] in [illegible]

Riverdale
Raharney
Killucan
Co Westmeath

July 4th 40

Dealt with
Replied
5/7/40
AWS

Dear Sir

I herewith enclose a moth which I found as I have never seen anything like it before I wondered if it was rare + if it might be of any interest to you.

Faithfully yours
(Mrs) Irene Briscoe

Riversdale
Raharney
Killucan
Co Westmea

July 9th 40

Dear Sir

Thank you so much for your interesting letter about the Deaths-head Hawk Moth which I sent you, it is really wonderful the life & habits of these migrants & the distance they travel I think we dwellers in the country are far more observant & interested

in the doings + lives
of everything around us +
so get so much more
interest in life

Again with many
thanks

Sincerely yours
Irene Briscoe

6th August 1939. After three fine days with E wind & a perfect morning, wind turned W. causing an intermittent drizzle, very slight, but enough to wet the vegetation, already soaking after a heavy night dew. Drove to Trim, but found vegetation along Boyne too damp to sweep, so then drove S over Bray Hill, to Summerhill, Agher & on to Royal Canal at Ferns Lock, Co. ME, where collected for an hour & had lunch. Drizzle getting heavier & heavier all the time. So left & drove via Donadea & Prosperous to Grand Canal at Landenstown Ho. (as on 4/8/39!) & swept edge of canal & parallel drain S of same, both E. & W. of lock, for a couple of hours, but heavy drizzle at times made sweeping very wet in open.

[illegible] labelled [illegible] 17/7/39 AWS

N. bank of Royal Canal, W. of Ferns Lock, Co. ME. 1 till 2 P.M. (all swept along edge of canal)

Bombus lucorum, agrorum, muscorum (1), derhamellus (♀ & ♂),
lapidarius (♀♀ & ♂♂) & hortorum seen
Psithyrus barbutellus ♂ seen
Halictus calceatus freq. ♂♂ by sweeping.

6.8.39 cont. R. Canal, Ferns Lock, cont. (ME).

Crabro vagus 1♂ on Angelica by canal.

Tenthredo [illegible]

Pimpla [illegible] ; 1 [illegible] ♀.

Mesoleius, large red sp., black hind femora =

[illegible] 1 red ♂.

♂ like a Tryphon but [illegible] = [illegible] Tryphon

Prosopis [illegible], pictipes, dorsalis & [illegible] all [illegible]

[illegible] ? 1♂, ext. 22 mg.

Bracon [illegible] 1♂ (ext. 29), 1♀ (ext.) 26.

Rhodites 4. =

Dacnusa [illegible], [illegible] & [illegible] all [illegible] not kept.

Donacia marginata Hop. (= limbata Pz) frequent & ♂♂ & ♀♀ taken in cop. [illegible] & [illegible].

6.8.39 cont.

Grand Canal, E. (=1) + W. (=2) of
Landenstown House, Co. KD.

33 from 1 + 19 from 2 Regd.; Hym. Collection 22/12/1992 [illegible]

Antion ♀ at 2   Atractodes ♀ at 1

Microcryptus? ♀, [illegible] at 2. Cryptus ♂ [illegible] at 1.

Polyblastus varitarsus? ♀, carrying young at 2.

Mesoleius ♀ at 1   Homocidus bizonarius ♂ at 1, small dark,

Meloboris sp with red coxae = M. ________, ♂♀ at 1, ♂ at 2.

[illegible] infirmus? ♀ at 1   Microctonus [illegible] ♂ at 1 + ♀ at 2.

Macrocentrus abdominalis ♂ at 1, M. infirmus ♀ at 2

Blacus ruficornis, small ♀ at 1.

B. [illegible], ♀ at 1.

B. [illegible]?, a very small ♂ at 1, with 15-19-segmented antennae.

Opius [illegible] ♂ at 2, ant. 27-segmented

6.8.39 cont. – Landenstown Ho., KD. cont.

Phaenocarpa [illegible] 1♀ at 1, another at 2.

Adelura [illegible] ♂ at 2.

Aphaereta [illegible] ♂ at 1.

Aspilota [illegible] Hal. a most beautiful ♀ of this very rare species, ant. 27 segmented, much longer than the body, terebra [illegible] not shorter than the body & [illegible] a little longer.

Dacnusa longiradialis 1♀ at 1

D. discolor small ♀ at 1

D. [illegible], ♀ at 1.

D. [illegible] Nixon, ♂ at 1, 27-seg. ant.

D. [illegible] ♀ at 2.

D. transversa Nixon. a nice ♀, at 2, with 36-seg. ant.: this species has a pyramidal almost dentate postscutellum: my other specimens come from Tollymore, LE., 2.8.38 (2); Furry Glen, DU., 22.9.35; Powerscourt Dm., WI., 19.8.35; Glencullen, WI., 25.8.35: seen by Nixon in 1939.

D. sp. n.? 1♀ at 2: like a small [illegible], but petiole not densely hairy & only 25-segmented antennae. = D. glabra Nixon see his letter of 30.8.1943 A.W.S. 5.9.43.

Coelinius n. sp.? ♀ at 1, 29 seg. ant.

Ephedrus lacertosus ♀ at 1

Aphidius [illegible] Marshall? a nice ♀, with 13-seg. antennae, at 2.

Proctos. P.T.O. →

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6.8.39 cont Landenstown Ho., KD., cont

Proctos. 8 at 1, 3 at 2

Chalcid 1, nice ♀ at 2.

15th August 1939. A beautiful evening after heavy showers about 4 P.M.

Drove to Poulaphuca & picked up George, then returned to Glending, west of Blessington, on Wi, KD boundary, there collected in marsh on KD side & in plantation on Wi side of boundary. 7.30 till 8.45 P.M.

7.30 : 8.15 P.M.

Marsh (much flooded) at head of channel, Glending, Co. KD. (Not many insects kept!)
15 & these labelled 24/2/42

Pachynematus diaphanus ? ♂ : seems a late date!

273.

10.8.39. cont. Glending Msh., Co. KD. cont.

Mesoleius ♀.

Stenomacrus minutus? ♀, ant 12-seg.

Meloboris ♂ & ♀, several times.

Angitia ? small black ♂, antennae 23-seg., hind tibiae [illegible] ended

=

A.? Larger but somewhat similar ♀, ant. 30-seg.

=

Bracon sp.? ♂, ant. 31-seg. | ♂♂ [illegible] dark form of epiphyllus & ♀ are fumidates.

B. sp.? ♀, ant 25-seg.

B. sp.? ♂, ant. 31-seg

B. fuscicornis ♂, & 2 ♀♀.

Blacus ambulans? 1 ♀

Trichopria ♀ with short wings.

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10.8.39 cont.

Plantation, Glending, Co. Wi 8.15–8.45 P.M.

[Only 7 insects kept & these labelled 24.2.1942 A.W.S.]

[illegible] "[illegible]" ♂

Homocidus pallipes ♂.

[illegible] [illegible] ? ♂, ext. 27 mm.

[illegible] [illegible] & small ♀, ext. 24–34.

[illegible] or [illegible] ♀, with red [illegible] abdomen

. =

Amblyteles [illegible] ♀, ext. 21 mm.: a large specimen!

Rocks :

13/8/39. Ophion ♀ taken by E. O'Mahony at Dollymount, Co. Dub.

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13th Aug 1939. The second day in succession without rain — a red-letter day for a long time — with much sun, very sultry, slight S.W. breeze. All insects common, except Braconids, which were rare.

Drove to Kilkea Park, Co. Kd., & then on to canal just above & below N. of Tankardstown Bridge, & home.

12 noon till 3.30 P.M.

Kilkea Park, Co. Kd.

1 = N. & E. side of plantation, fort & plateau.

2 = S side of plantation [17 insects kept from 1, 14 from 2 & 17 from one or other station but not specified. These labelled 27.2.42 A.W.S.]

Bombus lucorum ♂♂, ☿☿ & 1 or 2 fresh ♀♀.

B. agrorum common ♂♂ & ☿☿.

B. muscorum, a freshly dug up nest seen on plateau (? by boys) with old worn ♀ & many callow ☿☿ running about in great distress but no sign of brood or nest proper. Odd old faded ☿☿ seen on Scabious, &c.

B. lapidarius ♂♂ & ☿☿ frequent & 1 very fresh ♀ seen "searching"

13.8.39 cont. Kilkea Park, K.D., cont.

Psithyrus rupestris ♂♂ common at 1.

Psithyrus rupestris pale ♂ at 1.

Ps. barbutellus 1 beautiful fresh ♀ at 1.

Ps. distinctus both ♂ & ♀ seen at 1.

Andrena marginata 2 fresh ♀♀ on Scabious
at N. side of fort at 1.

Halictus calceatus ♀♀ at 1, 1♂ also seen

Nomada flavoguttata 1 quite fresh ♀ at fort.

Mellinus arvensis ♂♂ & ♀♀ abundant
about fort & sandpit below same.

Vespa rufa ☿ seen at 1

V. sylvestris ♂ seen at 1.

V. vulgaris ☿☿ abundant at 1

Tenthredo "arcuata", a few seen.

Tenthredella atra, a large ♀ at 2

Athalia sp. seen

Stenichneumon ochropus, ♀.

Leptocryptus [illegible]? 2♂♂, with 1 smaller at 2.

Cryptid red ♂, large. =

" red ♂, smaller. =

13.8.39 cont. Kilkea Park, K.D. cont.

Lissonota bellator ♂ Pimpla [illegible] [illegible] 2

Polyblastus ♂, red & black abd., [illegible] [illegible], black hind femora, at 2.

" ♂, red abd., black hind femora at 2, [illegible] ♂ [illegible] at 1 or 2?

" ♂, at 1 or 2 (? same sp. as last)

Mesoleptus sectator, [illegible] ♂ at 1 or 2, Stenomacrus [illegible] at 1 or 2 =

Stenomacrus of [illegible] [illegible], 1♀ at 1, with large [illegible] & yellow marked [illegible], ♂, with 26-seg.

Promethes sulcator 1♀ at 1 or 2 Mesochorus 1♀ at 2, small & testaceous.

Porizon 1 small ♂ at 1 or 2.

Hormius moniliatus 2♀♀ at 2. Microgaster [illegible] ♀ at 1.

Eubadizon extensor ♀ at 1, with ant. only 37-seg. 1 Blacus [illegible] ♀ at 1.

Opius of levis ?? 1♀ at 2, with 26 seg antennae

Aspilota concinna Hal. [illegible] ♀, with 19 seg ant.

A. [illegible] ♂ at 1 } These two ♂♂ are very like each other but differ considerably in venation (shape of 2nd cubital areolet?), not in shape of 1st tergite, which is very narrow in the first & much broader in 2nd, so they seem to be really not same species. Ant. 26 & 22.

A. of ? semirufa ♂ at 1

A. [illegible] 1♀, 20-seg. ant., [illegible] [illegible] [illegible], [illegible]

A. atra ♂ at 2, with 27 seg ant.

A. (Synaldis) gracilipes n. ♀ at 1, with 16-seg ant.

Evelinus n. of Sligo 1♂ & 1♀ (not on same card?)

for Beetles &c P.T.O.

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12.8.39 cont. Kilkea Park, K.D. cont.

Proctos. 4 at 1, 4 at 2 & Cryptoserphus parvulus ♀ at 1 & 2.

Cynipid at 2.
Chalcid with spot on wings, at 2 =
Hemiptera: at ? =

12.8.39, afternoon 4 till 5 P.M.
Canal bank, just above & below Tankardstown Bridge, Co. KD. [20 insects kept & these labelled 25/8/1943 'AWS.]

Tenthredo 'arcuata' fragment.

Tenthredella moniliata 2♂♂, 1♀ or ampliata: see [illegible]

Pachynematus vagus 1♂.

Crabro vagus & chrysostomus ♀♀ or 'kept of chrysostomus' [illegible]

Ichneumon suspiciosus 1♀.

Hemiteles 1♂, red, & black points on legs.

Polyblastus ♂, red, no third femora.

279

12.8.39 cont. Tankardstown (canal) KD cont.

Microgaster tibialis ? 1♂

Apanteles falcatus 1♀.

Dacnusa obesa Nix. ♀

D. areolaris 1 very nice ♀, ant. 21 seg., pale legs.

D. ? areolaris 1♂, semitestaceous (? immature), antennae also ± testaceous, 23 segmented — [illegible], [illegible] [illegible] [illegible]!

Proct. 1

Hemiptera: 2 = Psallus [illegible] 1

Coleoptera. [illegible] [illegible]
Cassida viridis 1
& weevil with long snout =

Earwig. Labia minor ♀.

Snail.
Vertigo moulinsiana swept by towpath below bridge.

280

16th Aug 1939. A perfect summer day, as were the two previous days also, with sunny, with a gentle & rather cool N.W. breeze. [illegible] dried [illegible] in [illegible]

Drove in afternoon to Athdown, on upper Liffey, & collected 3.30 till 6.30 in [illegible] & [illegible] [illegible] W. of Kippure Ho. (often formerly tagged by me in diary as "Kippure Lodge").

Scrub, &c., W. of Kippure Ho, Athdown, Co. W.

1 = between road & R. Liffey.
2 = " " & Military Road.

Bombus agrorum, a few seen.
Vespa vulgaris & rufa seen
Pemphredon lugubris (& its parasite Perithous mediator) seen at various stumps.
Crabro chrysostomus (?) seen at tall stump near Liffey & [illegible] frequent.
Leptothorax acervorum ♀♀ swept in many places, but no winged seen.
Myrmica: sp. not examined: many seen winged & not winged.
Formica fusca seen

281

16.8.'39 cont. Kippure Ho, Athdown, Wi. cont.
Very many Ich. & Braconids swept, but very few of interest & few kept.

Rhogogaster viridis ♀ [illegible] 2 [illegible] at 1.
Pezomachus [illegible] 1♂ at 2. Phygadeuon 1♂ at 1.
Perithous mediator ♀ at 1 [illegible] Homocidus [illegible] ♀ at 1.
[illegible] ♀ at 2. [illegible] testaceus ♀ [illegible], at 2
[illegible] cf. [illegible] ? ♀ at 1. Stenomacrus [illegible] ♀ at 1.
Bracon [illegible] ♀, 22 mg. wt., [illegible] = at 2
[illegible] ♀ at 1, wt. 39 mg. : =
[illegible] ♂ (?) at 1, 34 mg. wt. [illegible] ♀ at 1
[illegible] n. sp. ? [illegible] ♀, small, wt. 22 mg. at 1. [illegible]
[illegible] sp. ? ♂ at 2, 20 mg. wt. Meteorus fragilis ♀ at 1
[illegible] ♂ at 2, wt. 25. mg. [illegible] ♂ at 1.
[illegible] ? ♂ at 1, wt. 34 mg.

Proctos 5 at 1, 6 at 2 =

282

16. 8. 39 cont. Athdown, Wi., cont.

Beech. [illegible] persuasoria ♀ found by Davis on beech stump at 1, laying eggs, watched at intervals for about an hour, then taken home along with piece of beech wood, [illegible] until 27. 8. 39 & seen to try or pretend to lay eggs several times during the period but nothing [illegible]

16. 8. 39, evening

Drove through Blessington & Glending to Athgarvan House, Co. KD., where George staying while working at the Liffey pipe-line near Rathmore, & collected for about an hour along disused road S. of same, from farm gate to bottom of overflow channel below the house, until heavy dew fell about 8.30. Chiefly sweeping. [43 kept & then tabulated 5/3/43. AWS.]

Hemiteles, short-winged ♂ =

Picrostigeus recticauda ? ♀. Homocidus pallipes, very brightly coloured ♂.

283

16. 8. 39 evening, cont. Athgarvan, Co. KD., cont.

[illegible] dimidiatus ♂ ♀. [illegible] ♀.

Opius singularis 2♂♂. Pentapleura fuliginosa 3♂♂, 1♀

Aphanetes tenuicornis 1♂ & 2♀♀

Tersilochus n. sp. (= mitis Stelfox (1941)) 1♂, 1♀, with 26 & 27-seg. ant.

Phaenocarpa tabida ♂ Phaenocarpa flavipes 3♂♂.

Orthostigma ♂

[illegible] venusta ? 1♀, red petiole, about 2 = [illegible], 15-seg. ant.

Aspilota [illegible] 1♂, with neuration [illegible], like last, but stigma not thickened.

A. fuscicornis 1 beautiful ♀, with 24-seg. ant. A. ruficeps 1♀, ant 16.

A. [illegible] ♂? ♂, ant 22-seg.: very like those but of course being ♂♂!

Dacnusa areolaris ? 5♂♂, with antennae varying 33, 35, 35, 36 & 38 seg. respectively

D. lateralis 1♀, with 38-seg. ant. D. stramineipes 2♂♂, ant. 28 seg.

Coelinius sp. 4♂♂, 2♀♀, with antennae 37, 37, 39, 39, 31 & 32 respectively = apparently all 6 n. sp. of Sligo [illegible], but the first ♂ has a [illegible] left temple, which makes the head look less transverse than in the others.

Procto. 2 = Exallonyx ♀ & Cryptoserphus ♂.

(Procto. [illegible]) [illegible]

20th August 1939. Drove to Coan, Glen of Imaal, Co. Wi, there arrived at 11.10, with J.A.J. Palmer, Finlay, R.C. Faris, Miss J. Cole, Harry & George. Misty & damp at first, then very hot, with some sun in afternoon, misty again later & dense mist on summit of Lug at 4 P.M., but no rain S. of Blessington, though Dublin & district experienced terrific rain from 11.30 A.M. onwards. Ascended by col behind Camara Hill & into N. Prison where had lunch just above station for Sax. hypnoides at 1.30 P.M. Spent rest of afternoon sweeping site of tarn at about 2,000 - 2,200 ft. in N. Prison, then walked up corry to summit with Finlay. Left summit about 4.30 P.M. & after tea at cars, left Coan about 6.45. Spent about 20 minutes after tea sweeping enclosure round ruined farm just N. of ford over Little Slaney at Coan.

20.8.39 cont. North Prison, Lugnaquilla, Co. Wi
Alt. 2000 to 2200 ft. 63 insects (& some beetles) left & then labelled 7/3/42 A.W.S.

Saw a butterfly, which Palmer & Faris were able to identify as a Peacock & reported a second near site of tarn.

Bombus jonellus several ♀♀ seen on way up & down.

Dryinid ♀ swept — amongst rushes near upper end of swamp on site of tarn =

Cratichneumon lanius ♀. Oronotus binotatus ♀

Epitrum pygmaeus ♀. Atractodes sp ♀.

Hemiteles, matt black species, with very small [illegible] ♂ H [illegible]

H. ?? ♀, 18 seg. [illegible] antennae, very short radial area =

Pimpla: 2 small [illegible], but with [illegible] femora =

Homocidus gracilentus 7♂♂ one of which sent to J.F. Perkins — for B.M. coll.

Phytodietus ♀ Stenomacrus minutus ? ♀

Smaller Campoplegid with no areolet cf. ? Nythobia [illegible].

Megastylus ♀ ♂, ant. 28 seg. Helictes ♂ 2 [illegible].

Bracon ♀, with [illegible], semi-black head & femora, [illegible], black head, etc. rather small, but will only fit B. [illegible] in Marshall. A.W.S. 7/3/42.

Apanteles cf. fulvipes ♂. Opius caesus ♂, 2 ♀♀ | NB all the Braconids taken are Exodont or Aphidiidae.

Alloea contracta 2 ♀♀.

Aphaereta tenuicornis 1♀.

20th Aug. 39. cont. N. Brizon, 2000–2200 ft., Lug.

Aspilota ruficornis ♀, ant. 15 seg. A. cf [illegible] of [illegible] [illegible]!

A. (Synaldis) [illegible] 1♀, with 14-seg. ant.; very small!

A. (S.) cf. distracta ♂ with rather dark legs, very large head, ant. 20-seg.

Dacnusa affinis ♀, small, ant. 21-seg. D. elegantula small ♀, ant. 27-seg.

D. maculipes? 1♂, with smooth sternauli, 22 seg. ant., legs not very dark.

D. areolaris 2♂♂, with ant. 20, 22 & 22-seg. & 1♀, ant. 21-seg.

D. pubescens? 1 small ♂, ant. 23-seg. Ephedrus validus 5♀♀.

Aphidius sp.? 3♂♂ flushed legs, ant. 19-seg. [illegible]
(? these are the ♂♂ of A. nigripes sp.n. on opp. page.

Praon. 5 =

Chalcids. 5.

Cynipids. 4.

Beetles about a dozen (given to E. O'Mahony).

Hemiptera.

20.8.39 cont. 6.15 till 6.45 P.M.

[illegible] [illegible] [illegible] 7/9/42

Round ruined farm, Coan, Co. Wl.

(Insects very plentiful but only 30 ~~[illegible]~~ [illegible])

Pachyprotasis antennata ♀: a new [illegible] date! Pezomachus [illegible] ♂.

[illegible] [illegible] [illegible] ♂, Stenocranus [illegible] ♂

[illegible] ♂ Promethes pulchellus 1♀, large [illegible] seg. ant.

Promethes sulcator ♀ Promethes [illegible] ♂

[illegible] [illegible] ♀. Microleptes [illegible] ♀.

Blacus pygmaeus, a [illegible] ♀. Aphaereta tenuicornis ♂

Aspilota grandipennis ♂ with 26 seg. ant., [illegible]
[illegible] in ♂♂; [illegible] [illegible]

Aspilota ruficornis – longicollis [illegible] 2♂♂ & 4♀♀, with 24, 20, 21, 21, 22 & 22 seg. antennae; bridging the gap between these two forms, [illegible].

A. ♂ of near rufipes, 18-seg. very slender antennae, [illegible] 2 [illegible] [illegible]
[illegible] [illegible]

A. [illegible] ♀, with 17-seg. antennae, fits the table [illegible]

A. ♂, 17-seg. antennae; [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

A. (Synaldis) [illegible] ♀, ant. 14-seg., [illegible] [illegible]

Dacnusa erro 2♂♂, with 35 & 36-seg. ant., [illegible] [illegible]

D. elegantula ♂, ant. 32-seg.

D. adducta, a small reddish ♀, with 27-seg. ant.

[illegible] n. of Sligo ♂, 39 seg. ant.

Aphidius [illegible]? ♀, [illegible] [illegible]

> A. nigripes sp.n. ♀, ant. 16 seg. flushed, A.W.S. 16/3/42!
cf A. [illegible] [illegible]!

Diptera

"Staph." lots.

23rd August 1939. A dull hot afternoon, no sun, misty, but no rain; very soft & warm.
E wind in Dublin but not a breath out in the plain after 4.30 PM.
Drove to railway & canal (branch line) S. of Sallins, then on to R. Liffey near Osberstown Ho., both KD., then on to Grand Canal just E of Landenstown Ho. & Locks, where had tea at 5.30. Left there at 7.05 & drove to Attygarrett Ho., near Rathmore to meet George. Left here at 9 PM & home on stroke of 10 PM.

2.30 till 3.0 PM
Marsh &c, by railway (S.W. country bridge) on branch line S. of Sallins, KD.
[Only 13 kept & these labelled | Ry Sallins Co. KD. AWS. 23 8 39. | 11/3/1942 AWS.]

Oncophanes minutus: ♀

23/8/39 cont. Railway S of Sallins, KD. cont.

Chelonus [illegible]: 1♀, ant. 25 segs.
C. [illegible]: 2♂♂, 1♀, ant. 24, 24 & 22 segments.

Dacnusa [illegible] 1♂

Ephedrus lacertosus 1♀
Eph. plagiator 1♀.

Aphidius sp. n.? 1♀, antennae [illegible] (the [illegible] segs.) black, with mouthparts, [illegible], [illegible] & 1st [illegible] bright red or testaceous.
Pristos ♂

Chalcid 1♀

Hemiptera: [illegible] =

23.8.39 cont.   Labelled ["Osberstown" Co. KD. AWS. 23.8.39.] [illegible]

3.30 till 4.30 PM.

Right bank of R Liffey, ½ mile S. of Osberstown Ho., Co. KD. [32 insects mounted & these labelled 14/3/42? AWS.]

Sciara scutellata ♀. Sawfly: Tenthredo dimidiata? ♀, very darkened.

Anthophila [illegible] ♂ Chloromyia [illegible] ♀

Pegomyia [illegible] very small ♀, with scutellum & tubercles [illegible] tawny, ant. 19-jg.

Cryptus 1♂, 2♀♀ (3 spp.) = Microcryptus graminicola? ♀;

Microcryptus ♀; and ♂

Glypta longicauda? ♂. Hemiteles pulchellus & [illegible] ♂

[illegible] ? Tryphonine? =

Rhogas [illegible] ♂♂ Microgaster of tibialis ♂

Opius [illegible]? a small [illegible]?, [illegible], ♂♀, ant. 28-jg.

Phaenocarpa [illegible] ♂. Dacnusa elegantula ♀

Dacnusa [illegible] ♀, D. cyclops ♂, D. discolor ♂, D. affinis? ♂ ant. 24-jg

D. [illegible] 2♂♂, 2♀♀. D. [illegible] (♀)

D. [illegible]? ♂, ant. 27-segmented, legs not darkened on femora.

D. [illegible] a small ♂, antennae 26-segmented.

Ephedrus plagiator ♂.

Proctos, 3 =

23.8.39 cont.

5.0 till 7.0 PM.   Grand Canal, KD.

S. side of canal for ¼ mile E. of Landenstown Ho., between lock & plantation, & also drain between plantation & canal at same place.

Labelled [Landenstown Co. KD. AWS 23.8.39]

[26 insects mounted, these labelled 14/3/42 or before! AWS]

Diptera, chiefly nematocera and a black Scatopse fly =

Cryptinae: 3 and ♂♂ (2 spp.) =

[illegible] a Polyblastus?

[illegible] ([illegible]) [illegible]? red, black, [illegible] ♀♀.

Stenomacrus ♀

Triclistus [illegible]? ♂, ♀

Microplitis mediana? ♂

23.8.39 cont. Grand Canal, K.D. cont
(E. of Landenstown Ho.!)

Aphaereta tenuicornis 1♂, ant. 24-segmented.

Phaenocarpa (Rhopalicornis) mimica, mihi. 2♂♂, both rather small, swept along side of canal. See also p. 246 note.

Aspilota sp.? ♀, 16-seg. ant; near nitidipes, but antennae slender (4 stouter at [illegible] 30 & 39, p. 287, note)
A. sp.? ♂, 17-seg. ant.; small head, no [illegible], heavy [illegible], short 2nd tergite, and [illegible] [illegible], cf. [illegible] [illegible], [illegible]

Dacnusa elegantula ♀

D. sp. like small lateralis, but only 32 seg. ant. 1 (♂?).
D. siniffa ♂, ant 27-segmented.
~~D.~~
D. sibilla 1♀, 31-seg ant.
Coelinius [illegible] ♀, ant. 24-seg.
Proctos. 2.

Chalcid: ♀, with long tail: =
Cecidomyia
Diptera
? [illegible], small flies,

23.8.39 cont 7.30 till 8.0 P.M.
Allgarrett House, near Rathmore, Co. K.D.
All insects swept along old road & within 150 yards of 'stables' behind house. Later walked along old road till reached top of hill & looked down into Glending channel & towards Blessington to which place the old road evidently led (from Naas) before the Glending road was made.
[46 insects, mounted, & then labelled 17/3/42 (A.M.?)
+ 1 labelled 17.3.41!!]

Cleonymus ♂ Paromalus [illegible] 2♂♂.
Perilitus [illegible]? ♂ ♀. Stenomesius [illegible] ♀
Aphelopus ♀.

Rhogas [illegible] ♂, with 45-seg antennae.
Microplitis mediana ♂
Blacus tripudians 2♂♂.
Opius [illegible]? ♂ (labelled 17.3.1941).
Alysia tipulae? ♂, ant 45-segmented, very robust!
Phaenocarpa flavipes 3♂♂, ant 30, 31 & 31-segmented.
Ph. conspurcator 2♀♀, very different in size, one large with 30-seg. antennae, the other smaller with only 26 seg ant.
Pentapleura fuliginosa 6♂♂, antennae 27, 28, 28, 29, 29 & 29-segmented.

294.

23. 8. 39 cont. Athgarrett Ho., KD. cont.

Dacnusa [illegible] 2♂♂, ant 35 & 36 seg.
D. [illegible] ♂♂, 1♀.
D. [illegible] ♀
D. stramineipes 5♂♂, 1♀ antennae 27, 27, 27, 27, 28 & 28 seg respectively
D. affinis? 1♀, 22 seg ant. not normal looking somehow.

Coelinius n. sp. Stelfox 3♂♂, antennae 26, 18 & 26, mounted
" " " 2♀♀, antennae 31 & 32 seg.

Aphidius ulmi? ♀, ant 18 seg.
A. [illegible]? 1♂, ant 19 seg.

Bracon 2.

[illegible] 1 = Stenus

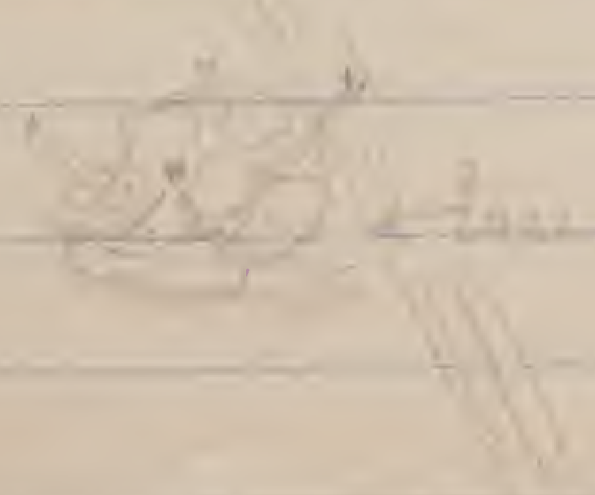
23.8.39 cont. At 2 P.M. saw a ♂ Bombus terrestris on knapweed in garden, 14 Clareville Rd, DU, & believe the first specimen of terrestris seen in 1939.

295

27th August 1939. Very hot & damp, with variable winds & "jams" & no rain, but vegetation very wet in shelter, due to some previous rain that we did not have in Dublin.

Drove to Glenealy (WI), then on via Drumdangan & Tullylark to Connary, where parked car & went down into wood below road. Sweeping in most places impossible, but most insects taken by this method in marshy spots in glades or under dense scrub.

Vale of the Avonmore above Connary, N. of Meeting of the Waters, Co. WI. 12 noon till 4 P.M.
Bombus agrorum, lucorum & hortorum seen.
B. lapidarius & faded ♂ seen
Vespa vulgaris 1☿ seen sucking Diptera on under side of sloping tree trunk, holding fly in front 4 legs clinging to bark with 2 hind claws with dorsum of abdomen against tree & appeared quite secure & comfy in this



[illegible] position.

[76 specimens mounted & then labelled 19-20/3/1942 or before. A.W.S.]

296

27 8 39 cont. Connary, cont.

Bombus agrorum ♂ left. [illegible] [illegible] ✓ [illegible]
very small ♀.

Ichneumon extensorius? 1♀ [illegible]. cf. [illegible], [illegible]
or [illegible]? [illegible], [illegible] ♂.

Phaeogenes cf. impiger ♀?

[illegible] or [illegible] 3♂♂, 1♀.

Hemiteles small [illegible] ♂   H. small [illegible] ♀, ant 20 seg.

Pezomachus small, [illegible], [illegible] ♂   P. small [illegible] ♀.

Phygadeuon? small ♀, with small wings.   Phygad.? larger ♀
18 seg antennae?

Phygadeuon? ♂, [illegible] [illegible]   Phygad. ♂ large [illegible], [illegible]

Pimpla detrita grp. 1♀.   Polysphincta [illegible] [illegible].

Promethes scutellaris ♀.   Homocidus [illegible] ♂

Ctenisus [illegible] ♀.   Hemiteles [illegible] ♀.

Cymodusa [illegible] ♀   [illegible]? or Atractodes? ♂.

Tryphonini? ♀.   Holocremnus?? red ♀, short [illegible]

Campoplex ♀, ant 19 segmented.   Plectiscus? [illegible] ♀

Thersilochus? ♀, 21 seg ant.

Bracon cf. [illegible] ♂ & 4♀, with 30, 29 & 30 seg ant respectively

Bracon [illegible] ♀, with 22 seg ant.

Meteorus [illegible] Hal.? 1♀, 31 seg ant.   M. filator ♀.

Blacus ambulans ♀.

B. [illegible] ♂.

297

27. 8. 39 cont. Connary, Co. Wi., cont.

Opius 1? ♂, n sp? ant. 20 seg., [illegible] [illegible] [illegible]?, ♀ ant.

Opius [illegible]? 1♀, 20 seg ant. Labelled 12/9/40.

C. [illegible]? 1♀, 28 seg ant [illegible]

Adelura [illegible] ♀

Aspilota [illegible] 1♀, 19 seg. ant. Labelled 12/9/42.

A. [illegible]? 1♀, ant. 21 seg.   A. [illegible] seg ? ant., [illegible], 21 seg. but
1st longest [illegible] [illegible].

Dacnusa [illegible] 5♂♂.   D. [illegible] 1♂

D. [illegible] 1♀.

[illegible] [illegible] of n. 1♂ 1♀, with 26 & 21 seg antennae, [illegible]
[illegible] [illegible], with the middle lobe [illegible], [illegible] [illegible], [illegible] of the [illegible] [illegible]
[illegible] [illegible] of [illegible] & the [illegible] not [illegible], all [illegible] [illegible] [illegible]

Chelonus n. sp. Sligo 3♂♂ 1♀, with 37, 37, 38 & 31 seg ant respectively

Aphidius [illegible] 3♂♂

Proctos. 12 =

Chalcids. 2 [illegible], 1 [illegible] little of =

Hemipteron: Eurygaster testudinaria taken at S end of
ry bridge over the river. the Northernmost recorded station in Ireland being
the Vale of Clara, 10 miles N.W. of this!

30th Aug. 1939, afternoon.
A lovely day, hazy & very warm, with cool easterly breeze, strong — Liffey valley but none (to speak) at Landenstown.
Drove to Grand Canal, just E. of Landenstown House, Co. KD; as before.
Collected by sweeping, at 3 places:–
1 = Drain S of canal, under trees of plantation,
2 = S. side of canal at same place. [¼ mile E of [illegible].
3 = S side of canal from plantation to back at gate of Landenstown Ho.
[9 from 1, 7 from 2 & 15 specimens from 3 mounted & those labelled 25/3/42.]

Phygadeuon 1 ♀, red, antennae 19-segmented, at 1.
Exolytus ♀, at 2, ant 24-seg.
Polyblastus varitarsus ♀, carrying nearly 50 larval sacs, at 1.
Polyblastus or Erromenus ? sp. ♂ at 1, with 29-seg ant.
Mesoleius sp. ♂ at 1, ant 36-seg ant.
[illegible] [illegible]? ♀, no ocelli (? accidental), ant. 20 seg., at 3.
Porizonid or Thersilochid? 1 ♀ & 1 ♂ ?, with [illegible] & long [illegible], ant. 20 seg.
Porizonid ?? gen et sp. ? 1 ♀ [illegible], with 20-seg, thick, nodose, short-stalked antennae.
[illegible] [illegible] at [illegible]

30·8·39 cont. Landenstown, Co. KD, cont.

[illegible] abdominator ♂, at 2
Alomya decrescens, a small black ♀ at 3.
Ophion [illegible] ? ♀, with 27-seg ant., at 1.
[illegible] [illegible]: males all, larger ♂ at 2, ant 35 + 34-seg.
& a ♀ at 2, with 33-seg ant.
[illegible] rufipes ♀ at 3.
B. flavipes ♂ at 1.
B. sp. ? ♂, with thick nervure & small [illegible], 24-seg ant ?, at 3.

[illegible] [illegible] [illegible] ♂ at 2, ♀ at 1, with 17 + 16-seg. ant. resp.
but ♀ wings more ample than usual.

[illegible] [illegible] ? ♂, pale legs, 27-seg. ant., at 2.
D. cyclops ♂ at 3, 28-seg. ant.
D. cytherea ♂ at 3, 31 seg ant.
D. [illegible] ? { ♀, with 23-seg ant. & [illegible], at 3.
or [illegible] ? }
[illegible] [illegible] ♀, at 3, with 25-seg ant.

[illegible] validus ♂ at 2

P.T.O.

300

30.8.39 cont. Rodenstown, Co KD., cont

Proctos. 2 at 3 =

Chalcids 1 at 3 =

Coleoptera?.

30.8.39 cont. Evening 7.40 to 8.15 P.M. Collected by sweeping along stream & marsh at foot of large overflow channel, about 1 mile S. of Altgarrett House gate, Co KD. This spot is marked "Newtown Great" on 1" Ord. map. [The specimens mounted & then labelled 1/11/41 or earlier "Newtown Great, Co KD." AWS] Streamside & marsh on both sides of bye-road at Newtown Great, Co KD.

Pezomachus 1♂, winged; 23-seg. ant.

301.

30.8.39 cont. Newtown Great, KD, cont.

Phygas 1♀, 28-seg. ant. R. 1♂, 41-seg ant.

Aphaereta tenuicornis 3♂♂, with 21, 22 & 24 seg. antennae.

Orthostigma pumila ♂, 22-seg antennae, not petiolate, ♂.

Phaenocarpa n. sp.? A very large ♂ with dark wings swept under hedge in field on S. side of road, which in net was mistaken for Ph. picinervis, but on return home found to be the one of with nearly detached from the pedunculate cell of upper wings:— = "Rhopaloneura" nimia mihi

This specimen, a co-type!, sent to Nixon for B.M. coll. on 9/3/1942! A.W.S.

Dacnusa cyclops ♂. 28-seg ant.

D. elegantula ♀ 25-seg ant

D. melanocera var. gracilis [illegible] 1♀, 29-seg. ant).

D. cytherea ♂, 31-seg antennae.

D. sp.? near minuta? ♂, with 31-seg antennae, reddish at base; mesonotum glabrous, [illegible] 1, [illegible]; ♂

30.8.39. Newtown Great, Co. KD., cont.
cont.]

30.8.39. Saxifrage Plume Moth taken in garden ? rather a late date for this.

1st Sept 1939. At 11 AM England & later in the day France entered the war against Germany who had attacked Poland a few days earlier.

13th Sept. 1939. A fine day with showers. Spent 2 hours at site of ring-mound at Lug, just West of Slade of Saggart, Co. Dn. where Mr Kilbride-Jones just finishing his "dig", then on to Glending marsh, Co. KD., where did about 40 minutes sweeping at S. end of marsh before going on to see George at Athgarrett House.

13.9.39 cont. 6.15 till 6.50 P.M.

South end of marshy pond, Glending Co. KD.

Swept round edge of marsh, which was rather flooded, particularly amongst Bidens cernua, but mainly along much ditch with Watercress &c running SW from marsh, under hedge.

[Did not cross the fence across middle of marsh]

[17 insects mounted & then labelled '13/9/39' AWS]

Bassus annulatus ♀. Zootrophus suspiciosus? ♂. Homocidus signatus ♂ & ♀.

Sagaritis annulata ♀.

Adimon decrescens ♀. Aspilota ruficeps i.e. small ♀, 15-seg ant.

Dacnusa stramineipes ♂ with almost black abdomen, ant 26-seg.

D. affinis ♀, ant 23 seg.

Anatria [illegible] 3♂♂, 1♀, with 27, 26, 23 & 32-seg ant respectively

A. temporalis sp. n. ♀ type & ♂ allotype A.W.S 28/11/1944! (♂, very small, with only 22-seg ant. ♀, much larger, but antennae broken } [illegible] mesonotum granulated, with temples & cheeks very much swollen! See also ♂ taken on 23/5/42(3)!

Cynipid: 2 examples taken with sweeper on [illegible].

Mosquito: very large ♀ Culicid = Theobaldia alaskaensis & new to Irish list: run down by E.O'M, then by myself & finally sent to B.M. & verified by C.L. Coe (see [illegible] letter of 1942!)

304

24th Sept. 1939. A most perfect day, though wind E & fairly strong in Dublin; mainly sunny after mid-day.

Drove to Kippure House gate, Athdown, Co. Wi., & swept birch scrub below main road & between main road & military road to Kilbride; most insects taken at latter place.

Insects very plentiful, but [illegible] [illegible] too common & [illegible] numerous, both sexes. Met present owner of land, Mr Owen Keogh, & made friends! [25 from 1, 67 from 2 + 8 from either 1 or 2 [illegible] labelled 2-6/4/1942 A.W.S.]

Birch scrub, Kippure Ho., Athdown, Co. Wi.
12.20 till 1.30, between road & R. Liffey = 1
2.30 till 4.30, edge of main road & sawdust heaps on S of road = chiefly between main & upper road.

Bombus agrorum one seen running; ? & ♂.
Vespa vulgaris ♀ ☿
Myrmica ruginodis (& no doubt M. scabrinodis) very active
Formica fusca ♀ ☿ also very active!
Leptothorax acervorum ♀ ☿ swept, frequent.

305

24.9.39 cont. Athdown, Wi., cont.
Ichneumon extensorius ♂ at 1
I. gradarius? 2 ♂♂, others seen at 1
Phygadeuontidae 3 ♀♀, at 1 & 2, [illegible], [illegible]. Phygadeuontid ♂ at 2, [illegible], [illegible] 26.ix.39
Cratocryptus?? ♂♂ at 2, white marked face & [illegible], [illegible] 26.ix.39
Stilpnus gagates ♂♂ & ♀, not kept
Hemiteles ♀ at 1, small ♀, brown abd., 20.ix.39 [illegible]. Hemiteles? black ♀, apex of abd. very polished, [illegible] 20.ix.39

Genus ? (? Hemiteles or Gambrus) 1 ♀ at 1, 19.ix.39 [illegible]; put in box with Gambrus [illegible] & similar ♀ from Liffey Head, [illegible] 7.6.34, [illegible]!
Pimpla inquisitor 2 ♀♀ at 1 & 2, ♂, [illegible] common, small, at 1
P. brevicornis? 2 ♂♂, like last, but stigma unicolorous & not pale in centre.
Aerodactyla degener ♀ at 1.
— 2 ♂♂ kept, one with black face & [illegible], the other with yellow marks on both.
Lissonota commixta? ♂♀ abundant [illegible] [illegible]
[illegible] [illegible] ♂ [illegible]

Promethes sulcator ♂♂ at 2
Homocidus [illegible] 1 fine ♀ swept off birch at 2
H. flavoguttatus? [illegible], var. with black [illegible] ([illegible]) [illegible]
[illegible] ♀ at 1.

[illegible] sp. not kept
[illegible] ♀ at 2.

306

24 9 39 cont. Alldown, Wl., cont.

Exochus: small ♂ at 2, with 21-segment, yellow face but no yellow mark on vertex or scutellum, red legs, etc., near pubescens?

Triclistus podagricus ♂ at 2

Orthocentrus ♂ at 2, cf. radialis?

Picrostigeus cf. debilis small brownish ♀ at 2, 27-seg. ant.

Stenomacrus ventralis ♂♂ & ♀♀ abundant at 1 & 2.

St. ridibundus ♂ at 2

St. rufus? 3♂♂ at 1 & 2.

St. granulosus cf.? 1♀ at 2; 1st + 2nd tergites matt, granulose, remainder of abdomen compressed, knife like, smooth & polished, antennae slender, 21-seg., ovip. long & narrow, stigma pale & narrow, radius elongate & nearly [illegible] &c. AWS. 8 4 42.

Sagaritis ♀ at 2. Diactes ? ♀ at 2.

[illegible] ? ♀ at 2. Angitia ? ♀ at 2.

Mesochorus sp. 2♀♀ at 2.

Proclitus fulvicornis ♂, at 2. Pantisarthrus inaequalis ? 2♂♂ at 1 & 2.

Aperileptus sp. ♀ at 1, ant 18 segmented.

Plectiscus [illegible] sp. 3♂♂ at 1 & 2, ant 20 seg.

P. [illegible] ♀ 1♂ at 1, ant. also 20 seg.

307

24.9.39 cont. Alldown, Wl., cont

Bracon mediator. 1♂ at 2, [illegible]

Colastes braconius 2♀♀ at 2.

Ex. [illegible] ♀ at 2, ant. 30 seg.; 3rd tergite striate, [illegible]

E. [illegible] 1♂ at 2

Gnamptodon pumilio [illegible] 4♀♀ left (2♀ [illegible] 1942)

~~[Opius [illegible] [illegible] [illegible] ♀ [illegible] [illegible] [illegible] & [illegible] [illegible] [illegible], with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]~~

I must assume this note refers to the ♀ Exothecus referred to above. AWS. 8/4/42]

Opius 1♀ not seen when labelling 1942 AWS.

Alloea contracta ♂

Alysia tipulae 1♂, rather small.

Tanycarpa gracilicornis 1♀ at 2, with 33-seg antennae

Phaenocarpa [illegible] 2♂♂, at 2.

24 9 39 cont Athdown, W1, cont.

Aspilota viatica? 2 ♀♀ at 1 & 2, with 20/21 & 19-seg antennae, also a ♂ at 1, with 23-seg ant; and a ♂? at 2 with 25 seg ant, both doubtfully this species.

A. vulgaris? a small ♂ at 2, with 22 seg ant.

A. clara ♂ at 1, with 23-seg ant.

A. (Synaldis) sp. n?: 1 ♀ at 1 with head smaller than distincta & antennae shorter & stouter than other species, 18-segmented.

Dacnusa striatula 1 ♀ at 2.

D. areolaris & laevipectus? fragment, 1 ♀ areolaris kept from 1 & another ♀ from 2.

D. affinis ♀♀ very common at 1, a few at 2.

D. [illegible] 1 ♀ at 2.

D.

Ephedrus: not mounted.

Trioxys rotundus Hal. Mct. very small ♀ with pallid yellow bases to antennae & abdomen; antennae with 11 segments, but [illegible] except for two; at 1.

Aphidius sp. ♀, with 19-seg ant. at 2.

A sp. ♂ with dark legs & 18-seg ant.; & ♀ with similar venation but pale legs & 15 seg ant. at 2.

Proctos - 6 at 1 + 15 at 2.

24.9.39 cont. Athdown, W1, cont.

Chalcid 1 =

Coleoptera 3. =

Hemiptera .1. =

27th Sept 1939. A harsh sunny day, with very strong & chilly E wind: very few insects out.

Grand Canal, &c, E. of Landenstown House, Co KD.

1 = S. bank of canal, ½ mile below Landenstown Ho. [illegible]

2 = plantation S. of road & just E. of No 1.

3 = boggy field, drains, &c at Digby Bridge, ½ mile E. of 1.

Bombus agrorum several seen at 1.

21 from 1, 7 from 2 & 15 from 3 mounted & then labelled 13/10/42! A.W.S.

Myrmica laevinodis ♀♀ common at 1, one mounted & kept.

Hemiteles ♀ at 1

Phygadeuon (? micropterus) ♂, red abd., at 1

Pezomachus rufulus? ♀ at 3.

Exolytus , at 3.

Polyblastus ♂ at 3. Homocidus signatus, Grav., ♂ at 1

Euryproctus nemoralis? 1 ♀ at ?

Snail: Vertigo moulinsiana swept in reed fed at 1 (see also

27.9.39 cont. Landenstown, KD. cont

Apanteles fulvipes-group ♂ at 3.

Bracon [illegible] ♂, with 20-seg ant. at 3. B. [illegible] ♂, at 3.

Centistes punctatus? very minute ♂ at 3, [illegible]?

Phaenocarpa sp.? ♂, only 25-seg ant., thick nervures, & [illegible] [illegible] & [illegible]. Same as specimen taken here on 20/8/39,

Dacnusa cyclops 1♀ at 1, ant. 23. D. elegantula ♂ at 1, ant. 31.

D. senilis ♀ at 1, ant. 28. D pubescens ♀ at 3, ant. 25

D. affinis ♂♂ at 1 & 2, (2), ant. 25 & 23. D [illegible] ♀ at 1, ant 31

Ametria uliginosa ♂ & 2♀♀ at 1, ant. 26, 24 & 25 respectively.

A. [illegible] ♀ at 1, ant. 21-segmented, dark legs, polished mesonotum

Chaenusa conjungens ♂ at 1, ant. 23. Ephedrus validus ♂♂ at 3.

Proctos. 2 at 1, 5 at 2, & 3 at 3. =

Chalcids. 1 at 1 & 1 at 2 =

Beetles. 1 at 1 & 3 at 3 =

Hemipteron at 1 =

1st Oct 1939. Garden, 14 Clareville Rd., Harold's Cross, Co. Dub.

Vespa germanica ♂♂ & ♀♀, one each mounted.

4th October 1939. A windy day (E-SE) but not so cold as previous week, sunny in forenoon, dull in afternoon with rapidly falling barometer, rain coming on in evening.

Went by 3 10 P.M. bus to Blessington & walked via Glending to Athgarrett Ho to see George & bring home car which he had taken out on Monday 2nd. Swept in "bottom" of Glending at S. end of channel, where in shelter a considerable number of Braconids; tried marsh at N end but cold & windy, & nothing taken; finally swept some insects along old disused road E. of Athgarrett House.

S. end of Glending, Co. KD 4.30 - 5.30 P.M.

(Only 3 Proctos & 8 Ichs & Bracs. kept from here!)

Lissonota commixta a fine ♀.

Promethes cognatus 1♀

Meteorus filator 1♂

Meteorus [illegible] ♀

Opius irregularis

4.10.39, cont. Glending, KD. cont.
Alysia tipulae ♂.
Phaenocarpa conspurcator ♀♀. P. ruficeps. 1♂
Pentapleura pumilio ♀.
Dacnusa 1♀ (kept)
D. "areolaris group" frequent but none kept ♂♂?
Ametria uliginosa large ♂♂ in swamp, plac.
Chaenusa conjungens ♂
Aphidius ulmi ? ♀, ant 15 segmented.
Proctos. 3.

4.10.39 cont. Athgarrett Ho., Co. KD. 6 30 PM.
Swept along sides of old road E of same.
[19 kept & those labelled 14/4/42 or earlier! AWS]

Stenomacrus [illegible] ♀, small, 22-seg ant, ridged prothorax & pleura, !!
S. ventralis ♀♀ frequent.

Apanteles [illegible] group ♀ labelled 14/3/42.
also a ♂ labelled 14/4/42.

4.10.39 cont. Athgarrett Ho., KD. cont.
Meteorus filator ♀♀. (not kept)
[M. [illegible] 1♀ See Glending, p. 311, ante.]

Opius irregularis frequent.
O. caesus 2♀♀.
O. [illegible] ? 2♀♀, [illegible] ? small [illegible]
(labelled 13/3/42)

Alloea contracta 1♂, 1♀.
Pentapleura pumilio ♂♂ & ♀♀, P. angustula 1♂.
[Alysia tipulae 1♂: see Glending, p. 312, opp.]
Phaenocarpa conspurcator ♀♀.
Aspilota rufata 1♀ ♂♀: 17-seg. ant.

Dacnusa discolor 2♀♀.
D. pubescens 1♂, labelled 10/3/41.
D. elegantula 1♀, ant. 27-seg.
D. evadne ♂, ant 27-seg.
D. 'areolaris' group, often, none kept, except 1♂
with traces of stigmata, but probably only a form of areolaris.

Aphidius sp.? small ♀, ant 15 seg.
Toxares deltiger 1♂

4.10.39 cont. Athgarrett Ho., KD. cont.
Photos.

18th Oct 1939. A perfect afternoon after much wet weather. Drove to Glenasmole School & left car, then walked up towards the Feather Bed & back by steep road to Cunard & so to the car. Both these roads now tarred & quite good, where formerly they were mere stream-beds. On way up crossed several nice small brooks, saw one built "circle" of boulders that suggested some megalithic structure about 30 feet across or less, & on way back took a ♀ Angitia rufipes (?) with sucker & subsequently released same after examination. Also noticed what I believe was a Plusia gamma on hillside.

25th Oct 1939. A fine afternoon, following 3 rather bad days, strong N.W. breeze, cold, but mainly sunny. Drove to Kilternan Protestant Church, Co. Dub., & walked up old track leading to Barnaculla, where still remains a nice bit of oak-wood & some bits of willow, &c., scrub, that might pay working. On cow-pat in field took one very large ♀ of Phaenocarpa conspurcator, subsequently released after examination. Saw a Small Tortoiseshell flying over field S. of Kilternan Church.

26th Oct 1939. After two terrific showers one before noon, the other about 2 P.M. there was a couple of hours very hot sun & during latter period Daisy saw a Red Admiral Butterfly on Michaelmas Daisies in Kenilworth Park, Harold's Cross, Dub.

29th Oct 1939. In afternoon drove to Rye Water & walked along road N. of Carton. Co. KD.

1st November 1939. In afternoon took car to Rockbrook & Daisy & I walked up "Pine Forest" to head of gap in Glencullen. Many wasps seen on ivy-blossom above Rockbrook, although weather had been very bad, with two night frosts during a fine interval.

5th November 1939. A fine morning, but wind rising at 11 AM heralded another sharp depression, with heavy rain & S.E. gale in afternoon, after much bad weather & rain last night. In morning drove to gate of Orlagh College & walked up road to "Feather Bed" past Killakee & back again. Wasps still out on ivy-blossom, but only a few seen.

8th Nov. 1939. A small ♀ of *Hemitelia*? taken by E. [illegible] on shore, under stone, at Littletown, near Bantry, Co. W.C.

1st December 1939. On this day, which was mild & wettish Barney saw "Frog" in the garden looking very fat & well. We had last seen him about 3 weeks earlier trying to get out on to road while Mr. Golding (carpenter) was repairing the yard door. Between these dates there had been cold weather, with one sharp frost. So frogs don't all hibernate all winter! Personally I never thought they did.

10th Dec 1939. Very bad weather continuing: much rain, gale after gale, mild. On this date one Snowdrop with flower fully out under drawing room window & possibly out for a couple of days. Crocuses in front garden by path to gate with noses up, but Snowdrops under dining room window not yet showing.

12th Dec 1939. In morning which was mild, damp & foggy I saw 3 specimens of the slug *Milax gracilis* in garden at 14 Clareville Rd., Dublin; two in the back garden on the grass & one on concrete just inside back entrance (off Westfield Rd.).

13th Dec 1939. A fine cold day, E wind. In afternoon drove to Glenasmole, Co. Du. where I had not been since July & Mr Moore's daughter died on 30th of that month. Found the little man wonderfully cheerful. Did not attempt to collect.

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17th Dec. 1939. A fine cold day, E wind. In forenoon drove to Rockbrook, Co. Dn. & walked up the Pine Forest, climbing up through same to slope of Tibradden. In upper belt of wood many spruce trees that would pay beating & one lovely sheltered glade that should well repay working in summer.

20th Dec. Still dry, cold, E wind; very dark & gloomy in Dublin but much sun over the hills. Drove to "Judge's Pinch" in Slade of Saggart & walked E. up bye-road to Mount Seskin & back. The glen above "the embankment" looks well worth working & can be got at from this road.

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On 2.4.40 a dead ♀ Blacas found in
bowl of electric light in drawing room,
which is almost certainly the same insect.
It proved to be a [illegible] & not [illegible]
A.W.S. 2.4.1940

On 24th Jan. 1940 [illegible] came to
♀ of Blacas [illegible] in drawing room [illegible]
[illegible]
[illegible]
A.W.S.